



1994

# Illinois Register

Official Governmental Proceedings


Volume 17, Number 1, January 1994

Page 1-100

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Department of  
Administration  
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Chicago, IL 60610  
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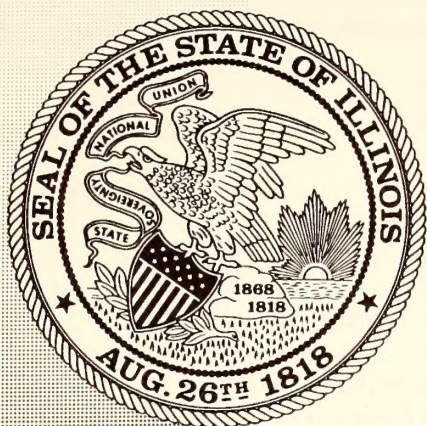
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**1994**

# ***Illinois Register***

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**Rules of Governmental Agencies**

Volume 18, Issue 47— Nov. 28, 1994

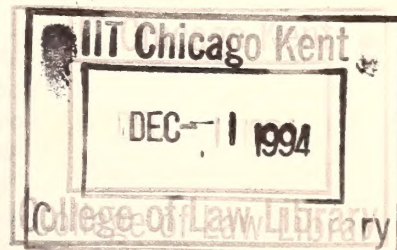
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November 28, 1994    Volume 18, Issue 47

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## INTRODUCTION

The Illinois Register is the official state document for publishing public notice of rulemaking activity by State governmental agencies. The table of contents is arranged categorically by rulemaking activity and alphabetically by agency within each category. Rulemaking activity consists of proposed or adopted new rules or amendments to or repealers of existing rules, including those by emergency or preemptory action.

The *Register* also contains Executive Orders and Proclamations issued by the Governor, notices of public information required by State statute, and activities (meeting agendas, Statements of Objection or Recommendation, etc.) of the Joint Committee on Administrative Rules (JCAR), a legislative oversight committee which monitors the rulemaking activities of State agencies. In addition, the *Register* contains a Cumulative Index listing alphabetically by agency the Parts (sets of rules) on which rulemaking activity has occurred in the current *Register* volume and a Sections Affected Index listing, by Title of the *Illinois Administrative Code*, each Section (including supplementary material) of a Part on which rulemaking activity has occurred in the current volume. Both indices are action coded and are designed to aid the public in monitoring rules.

The *Register* will serve as the update to the *Illinois Administrative Code*, a compilation of the rules of State agencies. The most recent edition of the *Code* along with the *Register* comprise the most current accounting of the State agencies' rules.

The *Illinois Register* is the property of the State of Illinois, granted by the authority of the Illinois Administrative Procedure Act [5 ILCS 100/1-1 et seq.].

## REGISTER PUBLICATION SCHEDULE 1994

| Material Rec'd<br>after 12:00 p.m. on: | And before<br>12:00 p.m. on: | Will be in<br>Issue #: | Published<br>on: | Material Rec'd<br>after 12:00 p.m. on: | And before<br>12:00 p.m. on: | Will be in<br>Issue #: | Published<br>on:     |
|--|------------------------------|------------------------|------------------|--|------------------------------|------------------------|----------------------|
| Dec. 21, 1993                          | Dec. 28, 1993                | 1                      | Jan. 7, 1994     | June 28, 1994                          | July 5, 1994                 | 28                     | July 15, 1994        |
| Dec. 28, 1993                          | Jan. 4, 1994                 | 2                      | Jan. 14, 1994    | July 5, 1994                           | July 12, 1994                | 29                     | July 22, 1994        |
| Jan. 4, 1994                           | Jan. 11, 1994                | 3                      | Jan. 21, 1994    | July 12, 1994                          | July 19, 1994                | 30                     | July 29, 1994        |
| Jan. 11, 1994                          | Jan. 18, 1994                | 4                      | Jan. 28, 1994    | July 19, 1994                          | July 26, 1994                | 31                     | Aug. 5, 1994         |
| Jan. 18, 1994                          | Jan. 25, 1994                | 5                      | Feb. 4, 1994     | July 26, 1994                          | Aug. 2, 1994                 | 32                     | Aug. 12, 1994        |
| Jan. 25, 1994                          | Feb. 1, 1994                 | 6 (Mon.)               | Feb. 14, 1994    | Aug. 2, 1994                           | Aug. 9, 1994                 | 33                     | Aug. 19, 1994        |
| Feb. 1, 1994                           | Feb. 8, 1994                 | 7                      | Feb. 18, 1994    | Aug. 9, 1994                           | Aug. 16, 1994                | 34                     | Aug. 26, 1994        |
| Feb. 8, 1994                           | Feb. 15, 1994                | 8                      | Feb. 25, 1994    | Aug. 16, 1994                          | Aug. 23, 1994                | 35                     | Sept. 2, 1994        |
| Feb. 15, 1994                          | Feb. 22, 1994                | 9                      | Mar. 4, 1994     | Aug. 23, 1994                          | Aug. 30, 1994                | 36                     | Sept. 9, 1994        |
| Feb. 22, 1994                          | Mar. 1, 1994                 | 10                     | Mar. 11, 1994    | Aug. 30, 1994                          | Sept. 6, 1994                | 37                     | Sept. 16, 1994       |
| Mar. 1, 1994                           | Mar. 8, 1994                 | 11                     | Mar. 18, 1994    | Sept. 6, 1994                          | Sept. 13, 1994               | 38                     | Sept. 23, 1994       |
| Mar. 8, 1994                           | Mar. 15, 1994                | 12                     | Mar. 25, 1994    | Sept. 13, 1994                         | Sept. 20, 1994               | 39                     | Sept. 30, 1994       |
| Mar. 15, 1994                          | Mar. 22, 1994                | 13                     | Apr. 1, 1994     | Sept. 20, 1994                         | Sept. 27, 1994               | 40                     | Oct. 7, 1994         |
| Mar. 22, 1994                          | Mar. 29, 1994                | 14                     | Apr. 8, 1994     | Sept. 27, 1994                         | Oct. 4, 1994                 | 41                     | Oct. 14, 1994        |
| Mar. 29, 1994                          | Apr. 5, 1994                 | 15                     | Apr. 15, 1994    | Oct. 4, 1994                           | Oct. 11, 1994                | 42                     | Oct. 21, 1994        |
| Apr. 5, 1994                           | Apr. 12, 1994                | 16                     | Apr. 22, 1994    | Oct. 11, 1994                          | Oct. 18, 1994                | 43                     | Oct. 28, 1994        |
| Apr. 12, 1994                          | Apr. 19, 1994                | 17                     | Apr. 29, 1994    | Oct. 18, 1994                          | Oct. 25, 1994                | 44                     | Nov. 4, 1994         |
| Apr. 19, 1994                          | Apr. 26, 1994                | 18                     | May 6, 1994      | Oct. 25, 1994                          | Nov. 1, 1994                 | 45                     | Nov. 14, 1994 (Mon.) |
| Apr. 26, 1994                          | May 3, 1994                  | 19                     | May 13, 1994     | Nov. 1, 1994                           | Nov. 7, 1994 (Mon.)          | 46                     | Nov. 18, 1994        |
| May 3, 1994                            | May 10, 1994                 | 20                     | May 20, 1994     | Nov. 7, 1994                           | Nov. 15, 1994                | 47                     | Nov. 28, 1994 (Mon.) |
| May 10, 1994                           | May 17, 1994                 | 21                     | May 27, 1994     | Nov. 15, 1994                          | Nov. 22, 1994                | 48                     | Dec. 2, 1994         |
| May 17, 1994                           | May 24, 1994                 | 22                     | June 3, 1994     | Nov. 22, 1994                          | Nov. 29, 1994                | 49                     | Dec. 9, 1994         |
| May 24, 1994                           | May 31, 1994                 | 23                     | June 10, 1994    | Nov. 29, 1994                          | Dec. 6, 1994                 | 50                     | Dec. 16, 1994        |
| May 31, 1994                           | June 7, 1994                 | 24                     | June 17, 1994    | Dec. 6, 1994                           | Dec. 13, 1994                | 51                     | Dec. 23, 1994        |
| June 7, 1994                           | June 14, 1994                | 25                     | June 24, 1994    | Dec. 13, 1994                          | Dec. 20, 1994                | 52                     | Dec. 30, 1994        |
| June 14, 1994                          | June 21, 1994                | 26                     | July 1, 1994     | Dec. 20, 1994                          | Dec. 27, 1994                | 1                      | Jan. 6, 1995         |
| June 21, 1994                          | June 28, 1994                | 27                     | July 8, 1994     | Dec. 27, 1994                          | Jan. 3, 1995                 | 2                      | Jan. 13, 1995        |

Please note: When the Register deadline falls on a State holiday, the deadline becomes 4:30 p.m. on Monday (the day before).



## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Relative Home Placement2) Code Citation: 89 Ill. Adm. Code 3353) Section Numbers: Action:

335.204 Amend  
 335.206 Amend  
 335.208 Repeal  
 335.300 Amend  
 Appendix A New

4) Statutory Authority: Implementing and authorized by Section 5 of the Children and Family Services Act [20 ILCS 505/5].

5) A Complete Description of the Subjects and Issues Involved: As the number of children entering substitute care has skyrocketed over the past few years, the Department has turned increasingly to relatives to serve as placements for children in need of care away from their parents. Although relatives have stepped forward and provided care for these abused and neglected children, the tremendous growth in relative home care has presented serious administrative and management problems for the Department.

Among the attempts to bring the relative home caseload under control was the recent enactment of the two-tier payment process, which was scheduled to begin September 1, 1994, and the more longstanding requirement that if a relative home was not approved within 90 days after the child was placed in the home, the child would be moved to another suitable placement. The two-tier payment process, although never implemented, was strongly opposed by the private sector, the plaintiffs and the monitor in the B.H. Consent Decree, and the plaintiffs in the Reid Consent Decree. The second requirement, that children be moved if the home is not approved within 90 days of placement, has been re-evaluated by the Department in view of the strong public comments in opposition to it.

The Department repealed the two-tier payment process and removed the requirement that children be moved if a relative home is not approved within 90 days of the child's placement in the home via emergency amendments effective August 31, 1994. With these proposed amendments, the Department intends to keep those changes in place.

Finally, the proposed amendments list the crimes identified in Section 4.2 of the Child Care Act of 1969 which are considered the most serious in their harmful effects upon children.

6) Will these proposed rules replace an emergency rule currently in effect? Yes.

## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

7) Does this rulemaking contain an automatic repeal date? No.8) Do these proposed rules contain incorporations by reference? No.9) Are there any other amendments pending on this Part? No.

10) Statement of Statewide Policy Objectives: This rulemaking does not create or expand a state mandate as defined in Section 3 (b) of the State Mandates Act [30 ILCS 805/3].

11) Time, Place, and Manner in which interested persons may comment on these proposed amendments:

Comments on these proposed amendments may be submitted in writing for a period of 45 days following publication of this notice. Comments should be submitted to:

Jacqueline Nottingham, Chief  
 Office of Rules and Procedures  
 Department of Children and Family Services  
 406 East Monroe Street, # 222  
 Springfield, Illinois 62701

Phone: (217) 524-1983

TTY: (217) 524-3715

The Department will consider fully all written comments on this proposed rulemaking submitted during the 45-day comment period. Comments submitted by small businesses should be identified as such. No public hearings have been scheduled on these proposed amendments. Persons who need translation or interpretation services to enable their commentary should request assistance by contacting the Office of Rules and Procedures.

12) Initial Regulatory Flexibility Analysis:

A) Date rule was submitted to the Business Assistance Office of the Department of Commerce and Community Affairs:

B) Types of small businesses affected: Child welfare agencies

C) Reporting, bookkeeping, or other procedures required for compliance: The proposed amendments ease the administrative burden on child welfare agencies which approve relative family homes by requiring that relative family homes be re-evaluated when they move from one location to another or when the household composition changes, rather than requiring a new application, complete home study, and approval.

D) Types of professional skills required for compliance: Child welfare agencies need the ability to assess and evaluate the sufficiency of a relative home for approval.

## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

## NOTICE OF PROPOSED AMENDMENTS

The full text of the Proposed Amendment begins on the next page.

TITLE 89: SOCIAL SERVICES  
CHAPTER III: DEPARTMENT OF CHILDREN AND FAMILY SERVICES  
SUBCHAPTER b: PROGRAM AND TECHNICAL SUPPORT

PART 335  
RELATIVE HOME PLACEMENT

## SUBPART A: GENERAL PROVISIONS

Section  
335.100 Purpose  
335.102 Definitions

## SUBPART B: PLACEMENT

Section  
335.200  
335.202  
335.204  
335.206  
335.208

Placement--Pre-Conditions Identification and Selection of Relative Placements  
Continuation of Placement Placement Pre-Conditions  
Continuation of Placement  
Required Notices and Information  
Payment Provisions (Repeated)

## SUBPART C: APPROVAL STANDARDS FOR RELATIVE FAMILY HOMES

Section  
335.300  
335.302  
335.304  
335.306  
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335.340

Provisions Pertaining To Approval  
Safety Requirements for the Relative Family Home  
Requirements For Sleeping Arrangements  
Nutrition and Meals  
Business and Employment of Relative Foster Parents (Repeated)  
Qualifications of Related-Caretakers Relative Family Home  
Background Inquiry  
Health of Relative Family  
Number of Children Served  
Meeting Basic Needs of Related Children  
Health Care of Related Children  
Religion  
Education  
Discipline of Related Children  
Emergency Care of Related Children  
Release of Children  
Confidentiality of Information  
Required Written Consents  
Records To Be Maintained  
Cooperation with the Supervising Agency and the Department  
Severability of This Part

## APPENDIX A

Crimes Identified in Section 4.2 of the Child Care Act of 1962

## AUTHORITY:

Implementing and authorized by Section 5 of the Children and



## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

Family Services Act [20 ILCS 505/5].

SOURCE: Adopted at 10 Ill. Reg. 4513, effective April 1, 1986; amended at 16 Ill. Reg. 7633, effective April 30, 1992; amended at 17 Ill. Reg. 13420, effective July 31, 1993; amended at 18 Ill. Reg. 7744, effective September 1, 1994; emergency amendment at 18 Ill. Reg. 14436, effective August 31, 1994, for a maximum of 150 days; amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## SUBPART B: PLACEMENT

## Section 335.204 Continuation of Placement

- a) Related caregivers shall meet the standards prescribed in Subpart E of this Part within 90 days of the initial placement.
- b) Placement staff of the supervising agency shall assure that no child for whom the Department is legally responsible remains in the care of a related caregiver in excess of 90 days unless:
  - 1) the related caregiver has been approved as meeting standards prescribed by Subpart E of this Part; or
  - 2) the related caregiver is awaiting the results of a medical examination completed within 90 days of the child's initial placement; or
  - 3) a waiver as specified in subsection (c) below has been requested and granted.

a) The Director of the Department or designee shall waive specific Approval Standards For Relative Family Homes except for those requirements the standards in Sections 335.302, 335.310 (a) and (b), and 335.312 or where a waiver of the particular standard(s) would endanger the health, safety or welfare of the child(ren) involved, or where the waiver would result in a placement for which the federal government refuses to provide funding to the Department or would result in a placement that would pose an obstacle to achieving permanency for the child. Requests for waivers shall be in writing, on a form prescribed by the Department. Approvals of waivers shall be in writing, dated and signed by a representative of the Department, and retained in the permanent approval record.

b) Waivers granted in accordance with subsection (a) above shall be valid for the duration of approvals granted pursuant to Subpart C of this Part.

(Source: Amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## Section 335.206 Required Notices and Information

a) The Department shall provide written information to relative caregivers at the time children are placed in their home and to relatives who are being assessed as a placement resource. The

## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

information shall explain the difference between private and public guardianship and shall advise the relatives that they have 90 days from the date of placement to come into the home study will verify compliance with the approval standards for relative home caregivers or to be granted the Department may grant a waiver of specific approval standards.

b) The Department shall provide a notice to specified relatives which explains that they may seek a waiver of any approval standards which they have failed to meet, except the standards in Sections 335.302, 335.310(a) and (b) and 335.312 and the Department shall grant waivers of those standards unless the granting of a waiver would:

- 1) endanger the health, safety, or welfare of the related child; or
  - 2) result in a placement for which the federal government refuses to provide funding to the Department; or
  - 3) pose an obstacle to achieving permanency for the related child.
- c) If the Department concludes that a relative home cannot be approved, or a waiver has been requested and denied, or if as a result of the relative's failure to cooperate with the approval process, the approval review cannot be completed within 90 days, the Department shall send a written notice to the relative caregiver, the child's parent or parents, the child (if over age 7), and the child's attorney and guardian ad litem which explains that the relative caregiver's home has not met the approval standards for a relative home and that the child will be placed in another home. The notice shall meet the requirements of 89 Ill. Adm. 337, Service Appeals Process, and shall advise the relative that all appeals regarding the move of related children to another placement will be combined.

(Source: Amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## Section 335.208 Payment Provisions (Repealed)

- a) Relative caregivers who accept related children for full-time care are eligible for reimbursement for the care provided. Relatives who have accepted children for care on or after the effective date of this Part but who have not yet submitted to the Department the items necessary to begin the process to become an approved relative family home shall be reimbursed at the applicable rate for child-only cases under the Aid to Families with Dependent Children (AFDC) program. Relatives who have submitted to the Department all of the items necessary to begin the approval process shall be reimbursed at the Department payment rate for regular foster care. The items necessary to begin the approval process and, therefore, to be eligible for reimbursement at the regular foster care rate are:
  - 1) A completed and signed authorization for background check for each adult living in the home.
  - 2) Two sets of completed fingerprint cards for each adult living in the home or a successful fingerprint scan via electronic



## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

## equipment.

- 3) A completed application for relative foster home approval which has been signed by the relative applicant(s) along with a completed family home information sheet.
- e) When all of the items in subsection (b) above have been completed, signed and received by the Department, the payments for the related children in care shall be increased to the foster care payment rate appropriate for the ages of the children placed in the home with the relative caregiver. This increase shall be effective retroactively to the date that the Department placed the children in the care of the relatives.
- d) If all of the items in subsection (b) above have not been completed, signed and received by the Department within 90 days of the date the Department placed the children in the care of the relatives, the children shall be moved to an alternative appropriate placement.

(Source: Repealed at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## SUBPART C: APPROVAL STANDARDS FOR RELATIVE FAMILY HOMES

## Section 335.300 Provisions Pertaining To Approval

- a) Approval of a relative family home shall be valid for four years unless one of the following occurs:
- 1) The family moves to an address other than that for which approval was granted.
- 2) The related caregiver(s) substantially violates the requirements of this Part so as to endanger the health, safety or welfare of the child(ren) or an adult member of the household is charged with or convicted of one of the crimes listed in Appendix A of this Part or is indicated as the perpetrator in a child abuse/neglect report which resulted in serious harm to a child. Refusal to cooperate with the supervising agency is a factor taken into consideration in determining whether the violation is substantial.
- 3) The specific related children for whom the home was approved no longer reside with the relative caregiver.
- b) The related caregiver shall notify the supervising agency within thirty (30) days of a change of address or a change in the family composition of the household. Whenever any of the events specified in subsection (a) above occur, the relative family home moves to another address, there is a change in the composition of the household, a member of the household has been charged with or convicted of one of the crimes listed in Appendix A or is indicated as a perpetrator of child abuse/neglect which resulted in serious harm to a child, the home shall be submitted for re-evaluation. If the perpetrator of the crime or the child abuse/neglect continues to have access to children, access of the perpetrator to the children shall be limited by a

## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

## NOTICE OF PROPOSED AMENDMENTS

protective plan while the re-evaluation is being completed by the supervising agency.

- c) Ninety days prior to the expiration date of the most recent approval, the home shall be submitted for re-evaluation.
- d) The child(ren) shall remain in the home during the re-evaluation provided the requirements of Section 335.200 continue to be met.

(Source: Amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)



## DEPARTMENT OF CHILDREN AND FAMILY SERVICES

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Section 335. APPENDIX A Crimes Identified in Section 4.2 of the Child Care Act of 1969

Crimes identified in Section 4.2 of the Child Care Act of 1969 include those serious criminal offenses under the Criminal Code of 1961 [720 ILCS 5] or under any earlier Illinois criminal law or code or an offense in another state, the elements of which are similar and bear a substantial relation to any of the criminal offenses specified below.

Murder  
Kidnapping  
Aggravated Kidnapping  
Child Abduction  
Aggravated Battery of a Child  
Criminal Sexual Assault  
Aggravated Criminal Sexual Assault  
Criminal Sexual Abuse  
Aggravated Criminal Sexual Abuse  
Child Pornography  
Exploitation of a Child  
Obscenity  
Harmful Material  
Tie-in Sales of Obscene Publications to Distributors  
Indecent Solicitation of a Child  
Public Indecency  
Sexual Relations Within Families  
Prostitution  
Soliciting for a Prostitute  
Soliciting for a Juvenile Prostitute  
Pandering  
Keeping a Place of Prostitution  
Keeping a Place of Juvenile Prostitution  
Patronizing a Juvenile Prostitute  
Pimping  
Juvenile Pimping

(Source: Added at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## DEPARTMENT OF PROFESSIONAL REGULATION

## NOTICE OF PROPOSED AMENDMENT(S)

- 1) Heading of the Part: The Structural Engineering Licensing Act of 1989
- 2) Code Citation: 68 Ill. Adm. Code 1480
- 3) Section Numbers: Proposed Action:  
1480.190 Amendment
- 4) Statutory Authority: Authorized by Sections 6 and 14 of the Structural Engineering Licensing Act of 1989 [225 ILCS 340/6 and 14].
- 5) A Complete Description of the Subjects and Issues Involved: This rulemaking amends the renewals Section to allow licensed structural engineers to satisfy seismic design requirements by passing the National Council of Examiners for Engineering and Surveying (NCEES) Structural II PM Examination administered by Illinois effective with the April 1991 administration. Due to an oversight in a previous rulemaking, current rules have an October 1991 effective date for acceptance of that exam even though seismic design has been a part of the Illinois examination since, and including, the April 1991 administration.
- 6) Will these Proposed Amendments replace an emergency Rule currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Do these Proposed Amendments contain incorporations by reference? No
- 9) Are there any other Proposed Amendments pending on this Part? No
- 10) Statement of Statewide Policy Objectives (if applicable):

This rulemaking has no impact on local government.

- 11) Time, Place and Manner in which interested persons may comment on this Proposed rulemaking:

Interested persons may submit written comments and views to:

Department of Professional Regulation  
Attention: Jean A. Courtney  
320 West Washington, 3rd Floor  
Springfield, IL 62786  
217/785-0800 Fax #: 217/782-7645

All comments received within 30 days of this issue of the Illinois Register will be considered. The comments of interested persons who submit a request to comment within 14 days of this issue will be considered if received within 30 days of such request.

## DEPARTMENT OF PROFESSIONAL REGULATION

## NOTICE OF PROPOSED AMENDMENT(S)

## 12) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: Those employing licensed structural engineers.

B) Reporting, bookkeeping or other procedures required for compliance: When renewing a license, structural engineers can satisfy seismic design knowledge requirements by submitting proof of passage of the NCEES Structural II PM Examination administered in Illinois effective with the April 1991 administration.

C) Types of professional skills necessary for compliance: Structural engineering skills are necessary for licensure.

The full text of the Proposed Amendments begins on the next page:

## DEPARTMENT OF PROFESSIONAL REGULATION

## NOTICE OF PROPOSED AMENDMENT(S)

TITLE 68: PROFESSIONS AND OCCUPATIONS  
CHAPTER VII: DEPARTMENT OF PROFESSIONAL REGULATION  
SUBCHAPTER b: PROFESSIONS AND OCCUPATIONS

## PART 1480

## THE STRUCTURAL ENGINEERING LICENSING ACT OF 1989

| Section  |   |
|----------|---|
| 1480.10  | Statutory Authority (Repealed)                |
| 1480.20  | Licensure (Repealed)                          |
| 1480.30  | Approved Education Qualifications (Repealed)  |
| 1480.40  | Approved Experience Qualifications (Repealed) |
| 1480.45  | Renewals (Renumbered)                         |
| 1480.50  | Restoration of Expired Certificate (Repealed) |
| 1480.60  | Granting Variances (Renumbered)               |
| 1480.110 | Approved Structural Engineering Curriculum    |
| 1480.120 | Definition of Degree in Related Science       |
| 1480.130 | Approved Experience                           |
| 1480.140 | Application for Licensure by Examination      |
| 1480.150 | Examination                                   |
| 1480.160 | Restoration                                   |
| 1480.170 | Endorsement                                   |
| 1480.180 | Inactive Status                               |
| 1480.190 | Renewals                                      |
| 1480.200 | Corporations and Partnerships                 |
| 1480.210 | Standards of Professional Conduct             |
| 1480.220 | Granting Variances (Renumbered)               |

AUTHORITY: Implementing the Structural Engineering Licensing Act of 1989 [225 ILCS 340] and authorized by Section 60(7) of the Civil Administrative Code of Illinois [20 ILCS 2105/60(7)].

SOURCE: Adopted at 4 Ill. Reg. 22, p. 242, effective May 15, 1980; amended at 4 Ill. Reg. 44, p. 475, effective October 20, 1980; codified at 5 Ill. Reg. 11068; amended at 5 Ill. Reg. 14171, effective December 3, 1981; emergency amendment at 6 Ill. Reg. 916, effective January 6, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 7448, effective June 15, 1982; transferred from Chapter I, 68 Ill. Adm. Code 480 (Department of Registration and Education) to Chapter VII, 68 Ill. Adm. Code 1480 (Department of Professional Regulation) pursuant to P.A. 85-225, effective January 1, 1988, at 12 Ill. Reg. 2947; emergency amendment at 13 Ill. Reg. 5781, effective April 5, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 13891, effective August 22, 1989; amended at 15 Ill. Reg. 7081, effective April 29, 1991; amended at 17 Ill. Reg. 11162, effective July 1, 1993; amended at 18 Ill. Reg. 14751, effective September 19, 1994; amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## Section 1480.190 Renewals



## DEPARTMENT OF PROFESSIONAL REGULATION

## NOTICE OF PROPOSED AMENDMENT(S)

- a) Every license issued to an individual under the Act shall expire on November 30 of each even numbered year. The holder of a license may renew such license during the month preceding the expiration date thereof by paying the required fee set forth in Section 17 of the Act. Starting with the 1996 renewal, all licensees must submit satisfactory evidence of knowledge in seismic design in order to renew their licenses.

- 1) The seismic design requirement can be satisfied by any one of the following:

A) Passage of the NCEES Structural II PM Examination administered by Illinois effective with the October April 1991 administration or passage of the Western States Structural Examination or the NCEES Structural II PM Examination administered by all other jurisdictions beginning with the spring 1993 administrations. Evidence of passage of one of the above-identified examinations shall be submitted by the licensee and may be a copy of the licensee's pass notice;

B) Satisfactory completion of a Board approved course of instruction dealing with seismic design that is part of an approved engineering curriculum. The licensee shall submit the course title and catalog course description to the Board for approval prior to taking the course. Evidence of completion shall be a college transcript. Audited courses are not acceptable;

C) Satisfactory completion of a Board approved professional seminar dealing with seismic design and involving a minimum of 16 contact hours (1.6 continuing education units or 1 semester hour of university credit) of lectures. Evidence of completion shall be by means of a valid certificate of completion signed by the providers of the seminar or an official transcript from the university. Audited course courses are not acceptable; or

D) Evidence that the licensee has taught a Board approved professional seminar or course dealing with seismic design that is part of an approved engineering curriculum or has conducted significant research into the problems of seismic resistance of structures and published the results of the significant research.

- 2) The Board shall utilize, but not be limited to, the following standards when approving a course or seminar in subsection (a)(1), (B), (C) and (D) above:

- A) Effects of earthquakes on buildings or bridges;  
 B) Structural standards and specifications for buildings or bridges;  
 C) Concepts in structural dynamics;  
 D) Seismic loading including seismicity;  
 E) Seismic response analysis; and  
 F) Seismic design concepts including concrete, steel, other

## DEPARTMENT OF PROFESSIONAL REGULATION

## NOTICE OF PROPOSED AMENDMENT(S)

- structural materials and foundations.
- b) It is the responsibility of each licensee to notify the Department of any change of address. Failure to receive a renewal form from the Department shall not constitute an excuse for failure to pay the renewal fee or to renew one's license.
- c) Every license issued to a corporation or partnership under the Act shall expire on April 30 of each odd numbered year. The holder of such license may renew that license for a 2-year period during the month preceding the expiration date thereof by paying the required fee and submitting a current listing of structural engineers licensed in Illinois that are employed by the firm.
- d) Practicing or offering to practice on a license which has expired shall be considered unlicensed activity and shall be grounds for discipline pursuant to Section 20 of the Act.

(Source: Amended at 18 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF ADOPTED RULE

1) Heading of the Part: Licensing of Industrial Hygienists

2) Code Citation: 35 Ill. Adm. Code 184

3) Section Numbers: Adopted Action:

184.100 New Section  
184.101 New Section  
184.102 New Section  
184.103 New Section  
184.104 New Section  
184.105 New Section  
184.106 New Section  
184.200 New Section  
184.201 New Section  
184.202 New Section  
184.203 New Section  
184.204 New Section  
184.205 New Section  
184.206 New Section  
184.207 New Section  
184.300 New Section  
184.301 New Section  
184.302 New Section  
184.400 New Section  
184.401 New Section  
184.402 New Section  
184.403 New Section  
184.500 New Section  
184.501 New Section  
184.502 New Section  
184.503 New Section  
184.504 New Section  
184.505 New Section  
184.506 New Section  
184.600 New Section

4) Statutory Authority: Implementing and authorized by the Industrial Hygiene Licensing Act, 225 ILCS 52/1-52/199.

5) Effective Date of Rule: November 15, 1994

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rulemaking contain incorporations by reference? No

8) Date Filed in Agency's Principal Office: November 15, 1994

9) Notice(s) of Proposal Published in Illinois Register: January 7, 1994

## ENVIRONMENTAL PROTECTION AGENCY

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18 Ill. Reg. 4

10) Has JCAR issued a Statement of Objections to these rules? No

11) Differences between proposal and final version:

The Agency added a new Subpart F to the proposed rules in response to the suggestion that the rules should allow for reciprocity with other states who may begin to license industrial hygienists in the future.

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?

Not applicable

13) Will this rule replace an emergency rule currently in effect? No

14) Are there any amendments pending on this Part? No

15) Summary of Purpose of Rulemaking:

The adopted rulemaking serves to protect public health and safety by regulating the profession of industrial hygiene.

16) Information and questions regarding this adopted rule should be directed to:

Name: John P. Walligore  
Assistant Counsel

Address: Division of Legal Counsel  
Illinois Environmental Protection Agency  
2200 Churchill Road  
P.O. Box 19276  
Springfield, Illinois 62794-9276

Telephone: 217/782-5544

The full text of the Adopted Rule begins on the next page:



## ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF ADOPTED RULE

## TITLE 35: ENVIRONMENTAL PROTECTION

## SUBTITLE A: GENERAL PROVISIONS

## CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY

## PART 184: LICENSING OF INDUSTRIAL HYGIENISTS

## SUBPART A: GENERAL

## Section

184.100 Purpose

184.101 Applicability

184.102 Definitions

184.103 Disclaimer

184.104 Severability

184.105 Industrial Hygiene Examining Board

184.106 Address for Submittals to Agency

## SUBPART B: REQUIREMENTS FOR LICENSE

## Section

184.200 Application Requirements

184.201 Felony Convictions of Applicants

184.202 Agency-Approved Programs

184.203 Agency-Approved Institutions

184.204 Agency-Authorized Examination

184.205 Examination Review and Administration

184.206 Professional Experience Requirements

184.207 Application Statement

## SUBPART C: LICENSE VALIDITY AND RENEWAL

## Section

184.300 Validity of License

184.301 License Renewal

184.302 Inactive Status

## SUBPART D: FEES

## Section

184.400 Application/Renewal Fee

184.401 Record Fee

184.402 Other Fees

184.403 Nonrefundability of Fees

## SUBPART E: DENIAL, REFUSAL TO RENEW, SUSPENSION AND REVOCATION OF LICENSES

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## Section

184.500 Investigation

184.501 Notice

184.502 Procedure

184.503 Grounds for Denial, Refusal to Renew, Suspension and Revocation

184.504 Sanctions

184.505 Appeal

184.506 Record Required

## SUBPART F: RECIPROCITY

## Section

184.600 Evaluation of Licensing by Other States and Reciprocal Licensure

AUTHORITY: Implementing and authorized by the Industrial Hygiene Licensing Act [225 ILCS 52].

SOURCE: Adopted at 18 Ill. Reg. 16006, effective 12/15/1994.

## SUBPART A: GENERAL

## Section 184.100 Purpose

This part sets forth the procedures to be used by the Illinois Environmental Protection Agency in administering a system for the licensing and sanctioning, where necessary, of industrial hygienists, as defined in Section 184.102 of this Subpart.

## Section 184.101 Applicability

The rules of this Part shall be applicable to the licensing of all industrial hygienists who seek to represent themselves as Illinois Licensed Industrial Hygienists.

## Section 184.102 Definitions

As used in this Part, the following terms shall have the meanings set forth below:

"Act" means the Illinois Industrial Hygiene Licensing Act [225 ILCS 52].

"Agency" means the Illinois Environmental Protection Agency. (Section 10 of the Act)

"American Board of Industrial Hygiene (ABIH)" means the Pennsylvania non-profit corporation which certifies industrial hygienists in the

## ENVIRONMENTAL PROTECTION AGENCY

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United States of America.

"Board" means the Industrial Hygiene Examining Board. (Section 10 of the Act)

"Certified Industrial Hygienist (CIH)" means an individual who has been granted a certificate as a Certified Industrial Hygienist by the American Board of Industrial Hygiene, and whose certificate has not been suspended or revoked for cause. (Section 10 of the Act)

"Director" means the Director of the Illinois Environmental Protection Agency.

"Fund" means the Industrial Hygienists Regulatory and Enforcement Fund created by Section 30 of the Act.

"TEPA-OCS" means the Illinois Environmental Protection Agency office which has primary responsibility for managing the industrial hygienists licensing program.

"Industrial hygiene" means providing services in which the sciences are applied with the aid of quantitative measurement techniques in the control of physical, chemical, and biological factors that cause illness, injury, impaired health, or inefficiency among employees and the public. (Section 10 of the Act)

"Industrial hygiene profession" means the providing of services by a Licensed Industrial Hygienist in which the mathematical and natural sciences are applied with quantitative measurement techniques in the anticipation, recognition, evaluation, and control of physical, chemical, and biological stresses that cause or may cause illness, injury, impaired health and well-being, or significant discomfort and inefficiency among workers and the public. (Section 10 of the Act)

"Industrial Hygienist-in-training" means an individual who has been granted a certificate as an Industrial Hygienist-in-training by the American Board of Industrial Hygiene. (Section 10 of the Act)

"Licensed Industrial Hygienist (LIH)" means an individual who has satisfied all the requirements of the Industrial Hygienist Licensure Act and these rules, who has been granted a license by the Agency, and whose license has not expired or been suspended or revoked.

"Person" means any natural person, and shall not include any corporation, trust or other non-natural entity.

"Professional experience" means the practice, research, teaching, or administration of industrial hygiene activities. Teaching or research as a student is not considered to be professional experience.

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## Section 184.103 Disclaimer

The Agency and the State of Illinois do not endorse or guarantee the quality of work or conduct by an applicant who has been licensed.

## Section 184.104 Severability

If any Section, subsection, sentence or clause of this Part is judged invalid, such adjudication shall not affect the validity of this Part as a whole or any Section, subsection, sentence, or clause thereof not judged invalid.

## Section 184.105 Industrial Hygiene Examining Board

a) The Director shall appoint an Industrial Hygiene Examining Board consisting of 5 persons who shall serve in an advisory capacity to the Director. The Board shall be composed of 4 Certified or Licensed Industrial Hygienists, one of whom shall serve as the chairperson, and one member of the public who is not regulated under the Act or a similar Act and who represents consumer interests.

b) Members shall be Illinois residents and shall serve for a term of 4 years and until their successors are appointed and qualified, except for the initial appointments. Of the initial appointments one member shall be appointed for one year, one shall be appointed to serve 2 years, one shall be appointed to serve 3 years, and 2 shall be appointed to serve for 4 years, and until their successors are appointed and qualified. No member shall be reappointed if that reappointment would cause that person's service on the Board to be longer than 8 successive years. Appointments to fill vacancies for the unexpired portion of a vacated term shall be made in the same manner as original appointments. Initial terms shall begin January 31, 1994.

c) The Director may terminate the appointment of any member for cause.

d) The Director shall consider the recommendation of the Board on all matters and questions relating to the Act and these rules.

e) The Board is charged with the duties and responsibilities of recommending to the Director the adoption of all policies, procedures, and rules which may be required or deemed advisable in order to perform the duties and functions conferred on the Board, the Director, and the Agency to carry out the provisions of the Act. (Section 35 of the Act)

## Section 184.106 Address for Submittals to Agency

All materials submitted to the Agency by applicants and Licensed Industrial Hygienists pursuant to this Part shall be addressed to:

Illinois EPA  
Office of Chemical Safety  
Health & Safety Unit  
2200 Churchill Road



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Post Office Box 19276  
Springfield, Illinois 62794-9276

## SUBPART B: REQUIREMENTS FOR LICENSE

## Section 184.200 Application Requirements

a) The Industrial Hygienist License Application form shall be available from the Agency by mailing a written request to IEPA-OCS with a self-addressed stamped envelope.

b) Any person who seeks a license as a Licensed Industrial Hygienist shall submit a complete application to the Agency in which the applicant provides all of the following:

- 1) A statement that the applicant has not been convicted of a felony in the State of Illinois, any other state, or in any Federal Court; or, if the applicant has been convicted of a felony, the felony convictions are adequately described, as required in Section 184.201 of this Subpart;

- 2) Verification of experience from immediate supervisors for each industrial hygiene employment period claimed toward meeting the professional experience requirements specified in subsection (b)(3) below. When the applicant had no supervisor, the applicant shall submit verifications from clients; at least one verification from a client shall be provided for each year of experience claimed. Each verification shall be provided on the Agency Professional Experience Verification form.

- 3) Official transcripts shall be required for coursework claimed for credit and shall be submitted directly to the Agency by the college or university. The verifications required by subsection (b)(2), above, and transcripts shall demonstrate that the applicant has either:

- A) A bachelors degree in a physical or biological science or industrial hygiene from an undergraduate program approved by the Agency and at least 5 years of professional experience (Section 25 of the Act); or
  - B) A masters degree in industrial hygiene from a graduate program approved by the Agency and at least 4 years of professional experience (Section 25 of the Act); or
  - C) A doctorate degree in industrial hygiene from a graduate program approved by the Agency and at least 3 years of professional experience. (Section 25 of the Act).
- 4) A copy of the ABIH notification stating that the applicant has passed the examination(s) required for qualification as a Certified Industrial Hygienist, or a copy of the Certified Industrial Hygienist certificate granted by ABIH.
  - 5) The required fee payable to the Fund, as provided in Section 184.400 of this Part.

c) Applicants who did not register with the Agency by November 18, 1993 shall not be licensed before July 1, 1994.

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- d) Any applicant may be required to submit supplementary information in the event that an incomplete application is received by the Agency, or the Agency determines that any information provided in an application requires clarification.

- e) No applicant may apply for licensure prior to having passed the examination authorized by the Agency.

## Section 184.201 Felony Convictions of Applicants

Any applicant who has been convicted of a felony in the State of Illinois, any other State, or any Federal Court, shall, along with the application, provide a written description of the felony charge for which the applicant was convicted, how long ago the conviction occurred, the jurisdiction in which the applicant was convicted, the number of the case in which the conviction was entered, and any mitigating factors which the applicant believes are relevant to the consideration of the Agency.

## Section 184.202 Agency-Approved Programs

- a) Any applicant who has completed a bachelors degree at an Agency-approved institution (as provided in Section 184.203 of this Subpart) in chemistry, physics, chemical engineering, mechanical engineering, sanitary engineering, environmental engineering, biology, or industrial hygiene shall have completed an Agency-approved undergraduate program. The Agency may accept other bachelors degrees provided the degree program included at least 60 semester credit hours in courses in physical or biological science, mathematics, engineering, and technology, with at least 15 of those hours at the junior, senior, or graduate level. An applicant who has a bachelors degree in a discipline not specifically mentioned in this subsection may be eligible to apply for a license on the basis of additional academic coursework from an Agency-approved institution or by completion of an Agency-approved graduate program.

- b) Any applicant who has completed a masters or doctorate degree at an Agency-approved institution (as provided in Section 184.203 of this Subpart) in the field of industrial hygiene shall have completed an Agency-approved graduate program.

## Section 184.203 Agency-Approved Institutions

Any institution of post-secondary education granting degrees shall be considered to be an Agency-approved institution provided that it is accredited by the Council on Post Secondary Accreditation or any successor organization, or the institution may be considered on the basis of its accreditation status in the education system which has jurisdiction.

## Section 184.204 Agency-Authorized Examination

The examination authorized by the Agency for the purpose of application for

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licensure shall be the examination(s) required by the ABIH for qualification as a Certified Industrial Hygienist.

**Section 184.205 Examination Review and Administration**

- a) The Agency shall review ABIH examination subjects at least annually to evaluate their continuing appropriateness for the licensing of industrial hygienists.
- b) The Agency-authorized examination shall be administered by the ABIH, which shall be the designated testing service for purposes of Section 30 of the Act.

**Section 184.206 Professional Experience Requirements**

Applicants for licensure shall have achieved the years of professional experience required by Section 184.200 of this Subpart by having spent more than 50% of their total work time (more than 20 hours per week) in professional activities related to industrial hygiene during each year claimed for credit.

**Section 184.207 Application Statement**

Any person submitting an application pursuant to this Part shall make the following statement:

I certify that the information submitted in this application is, to the best of my knowledge and belief, true, accurate and complete. I am aware that any license granted to me by the Illinois Environmental Protection Agency may be subject to suspension or revocation if any information submitted in this application is determined to be false or misleading.

**SUBPART C: LICENSE VALIDITY AND RENEWAL****Section 184.300 Validity of License**

Any license or renewal license issued under this Part shall be valid for a period of 2 years, with the expiration date being 2 years from the day the license was issued, except as specified in Subsection 184.301(c) of this Subpart.

**Section 184.301 License Renewal**

- a) The Industrial Hygienist License Application form shall be used for renewal application and shall be available from the Agency by submitting a written request to IEPA-OCS with a self-addressed stamped envelope.
- b) Any person who seeks renewal of an unexpired license issued under this Part shall, no later than 30 days before the expiration of the currently effective license, submit a complete application to the Agency, in which the applicant must provide all of the following:

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- 1) A statement that the applicant has not had a license issued under this Part suspended or revoked;
- 2) A statement that the applicant has not been convicted of any felony not previously reported to the Agency on an application or renewal form; and
- 3) The required fee payable to the Fund, as provided in Section 184.400 of this Part.
- c) A license shall remain valid for 90 days beyond its expiration date if a complete renewal application and the fee required pursuant to Section 184.400 of this Part is submitted no later than 30 days before the expiration date.
- d) Any person who seeks renewal of an expired license shall submit a complete renewal application to the Agency as provided in subsection b, above, along with the renewal fee specified by subsection 184.400(c) of this Part.
- e) Any applicant who has entered inactive status in accordance with Section 184.302 of this Subpart may remove himself or herself from inactive status and seek renewal of his or her license under subsection (a) and (b) of this Section irrespective of whether his or her license has expired during the period of inactive status.

**Section 184.302 Inactive Status**

Any person with a valid unexpired license issued under this Part may enter inactive status by notifying IEPA-OCS in writing by certified mail, provided that the person is not the subject of a pending investigation or proceeding pursuant to Subpart E of this Part. During the period of inactive status, the person shall not use the title Licensed Industrial Hygienist. A person on inactive status may return to active status by either:

- a) Notifying IEPA-OCS by certified mail of the return to active status if the expiration date has not passed for the license that was valid at the time inactive status was elected, or
- b) Submitting a complete renewal application to the Agency, as provided in subsection 184.301(b) of this Subpart, except that the fee required for a resumption of active status and renewal shall be \$50.

**SUBPART D: FEES****Section 184.400 Application/Renewal Fees**

- a) All fees payable under this Part shall be made payable to the Industrial Hygienists Regulatory and Enforcement Fund.
- b) As provided in Section 50 of the Act, all persons required to be licensed when the Act was approved on August 20, 1993, were to have registered with the Agency and submitted a registration fee of \$100 by November 18, 1993. Persons who registered by November 18, 1993, shall be sent an Industrial Hygienist License Application form by the Agency. After January 1, 1994, the Agency will begin issuing licenses to qualified, registered applicants who have satisfied all the



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requirements of Section 184.200 of this Part. Persons submitting applications who did not register by November 18, 1993, shall not be issued licenses before July 1, 1994.

c) The application fee for an initial license or for renewal of an expired license shall be \$200, except that the application fee for applicants who registered by November 18, 1993, shall be \$100 for their initial term of licensure. The application fee includes the issuance of a wallet license certificate.

d) The fee for the renewal of an unexpired license shall be \$50, provided that the application for renewal is submitted no less than 30 days before the expiration date of the license. Any application for renewal submitted before the expiration date of the applicant's license, but less than 30 days before the expiration date, shall be subject to an additional \$50 fee.

**Section 184.401 Record Fee**

Applicants and Licensed Industrial Hygienists who wish to pursue judicial review of a final administrative decision of the Agency under Subpart E of this Part shall send the Agency a written request for a certified copy of the record identifying the final administrative decision of the Agency of which the applicant or Licensed Industrial Hygienist is seeking review. Written requests for copies of records shall be sent to IEPA-OCS. Following receipt of the written request, the Agency shall notify the applicant or Licensed Industrial Hygienist of the number of pages of the relevant record. The applicant or Licensed Industrial Hygienist shall then submit a record fee of 20 cents for each page of the record to the Agency.

**Section 184.402 Other Fees**

- Any Licensed Industrial Hygienist who wishes to obtain a wall certificate shall send a written request to IEPA-OCS, along with a \$15 fee for each certificate requested.
- Any Licensed Industrial Hygienist who wishes to obtain a duplicate license certificate, replacement license certificate, or new license certificate reflecting a legally-recognized name change shall send a written request to IEPA-OCS specifying whether a duplicate or replacement certificate or certificate reflecting a legally-recognized name change is desired. If an additional certificate is requested by a Licensed Industrial Hygienist, the fee shall be \$15 each.
- Any person wishing to obtain a roster of current, suspended and revoked licenses, or a roster of expired and inactive licenses shall send a written request to IEPA-OCS along with a \$15 fee for each roster requested.

**Section 184.403 Nonrefundability of Fees**

All fees received by the Agency from applicants or Licensed Industrial Hygienists under this Part shall be non-refundable.

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## SUBPART E:

## DENIAL, REFUSAL TO RENEW, SUSPENSION, AND REVOCATION OF LICENSES

**Section 184.500 Investigation**

The Agency may refuse to issue, refuse to renew, or seek the suspension or revocation of any license issued under the Act and this Part. The Agency may, upon its own motion or upon the written complaint of any person setting forth charges which, if proven, would constitute grounds for refusal to issue or renew, suspension or revocation as provided by Section 184.503 of this Subpart, investigate the actions of any person applying for or holding a license.

**Section 184.501 Notice**

The Agency, prior to denying, refusing to renew, suspending or revoking a license, shall notify the applicant or Licensed Industrial Hygienist in writing of the intent of the Agency to deny, refuse to renew, suspend or revoke a license, and the nature of any charges made by any third party against the applicant or Licensed Industrial Hygienist, and shall afford the applicant or Licensed Industrial Hygienist an opportunity to be heard in person or by counsel. The Agency shall also notify the Board of the issuance of a notification of intent to refuse to renew, suspend or revoke a license.

**Section 184.502 Procedure**

When the Agency has given notice of its intent to deny, refuse to renew, suspend or revoke any license, and of any charges made by any third party against an applicant or Licensed Industrial Hygienist, the procedures set forth at 35 Ill. Adm. Code 168, Procedures For Contested Case Hearings, shall apply to the conduct of any Agency hearings and the making of final administrative decisions.

**Section 184.503 Grounds for Denial, Refusal to Renew, Suspension and Revocation**

a) The Agency may deny, refuse to renew, suspend or revoke any license for any one or any combination of the following causes:

- The practice of any fraud or deceit in obtaining or attempting to obtain a license;
- Negligence or misconduct in the practice of industrial hygiene which endangered the health or safety of the public, an employee, or the environment;
- Repeated violations of federal, state or local laws, regulations, standards, or ordinances regarding health and safety;
- Conviction in Illinois or another state of any crime which is a felony under the laws of Illinois or that other state or conviction of a felony in a federal court;
- Being declared to be a person under a legal disability by a court of competent jurisdiction; or

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- 6) Revocation or suspension of Certified Industrial Hygienist status by the ABIH for cause.
- b) The Agency may issue, renew or refuse to suspend or revoke a license notwithstanding the applicability of any of the factors set forth in subsection (a), above, if mitigating factors exist such that a license should be issued. Mitigating factors may include, but shall not be limited to, the following:
  - 1) The severity of the misconduct;
  - 2) How recently the misconduct took place; and
  - 3) The degree of control exerted over worker and public health and safety at a site by the applicant or Licensed Industrial Hygienist at the time any misconduct described in subsection (a), above, was committed.
- c) Relative to all original and renewal applications and in all hearings before the Agency conducted under this Part, a person seeking licensure shall have the burden of demonstrating that he or she is entitled to the license.

## Section 184.504 Sanctions

- a) If a license is suspended, it shall be considered invalid for a period of time not less than 30 days, but no more than one year, as determined by the Agency. If a license expires during suspension, the suspended industrial hygienist may not reapply for license until the suspension period has elapsed. At the end of the suspension period, the suspended license, if not expired, shall be considered valid.
- b) If a license is revoked it shall be considered void. If a license is revoked, the former Licensed Industrial Hygienist may not reapply for a license for a period of not less than six months but not more than three years, as determined by the Agency. If an applicant seeks to obtain a license after the revocation period has elapsed, the applicant must comply with all requirements of Subparts B and D of this Part as if originally applying for a license.

## Section 184.505 Appeal

Within 35 days after receipt of a written notice of denial, refusal to renew, suspension or revocation from the Director, the applicant, suspended industrial hygienist, or former Licensed Industrial Hygienist may appeal the sanction to the Circuit Court of Sangamon County. The revocation or suspension of a license shall be stayed pending a final decision on an appeal. All judicial review conducted pursuant to this Part shall be in accordance with the Administrative Review Law [735 ILCS 5/Art. III].

## Section 184.506 Record Required

No applicant or Licensed Industrial Hygienist may seek judicial review of a final administrative decision of the Agency under this Part unless that applicant or Licensed Industrial Hygienist has obtained a certified copy of the

## ENVIRONMENTAL PROTECTION AGENCY

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Agency record, paid the Agency the record fee required by Section 184.401 of this Part and filed the certified copy with the Circuit Court for Sangamon County.

## SUBPART F: RECIPROCITY

## Section 184.600 Evaluation of Licensing by Other States and Reciprocal Licensure

- a) The Agency will monitor the establishment of systems for the licensing of industrial hygienists in other states, and will evaluate whether the qualifications for granting a license prescribed by any other state are compatible with those prescribed by the Act and this Part.
- b) The Agency will evaluate the qualifications for the licensing of industrial hygienists prescribed by any other state on the basis of the following factors:
  - 1) whether the examination requirements prescribed by that state are compatible with those specified in Sections 184.200, 184.204 and 184.205 of this Part;
  - 2) whether the experience requirements prescribed by that State are compatible with those specified in Sections 184.200 and 184.206 of this Part;
  - 3) whether the educational requirements prescribed by that state are compatible with those specified in Sections 184.200, 184.202 and 184.203 of this Part;
  - 4) whether the felony disclosure requirements prescribed by that state are compatible with those specified in Sections 184.200 and 184.201 of this Part; and
  - 5) whether application, licensing and disciplinary records from that other state are available for review by the Agency.
- c) The Agency may make a determination that another State's program for the licensing of industrial hygienists is compatible with that provided for by the Act and this Part by one of the following two methods:
  - 1) The Agency may enter into an agreement with the licensing authority in another state providing for standards and procedures for the reciprocal licensing of industrial hygienists; or
  - 2) The Agency may, on a case-by-case basis, review the qualifications required for licensure by another state pursuant to a written request made by an applicant for reciprocal licensure. The Agency may require written confirmation from the licensing authority in another state if a case-by-case review is undertaken.
- d) The Industrial Hygienist Reciprocal Licensure Application form shall be available from the Agency by mailing a written request to IEPA-OCS with a self-addressed stamped envelope. Applicants for reciprocal licensure shall make any written request to the Agency for case-by-case review of their state's licensing qualifications as a part of their Industrial Hygienist Reciprocal Licensure Application.



## ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF ADOPTED RULE

The Industrial Application form shall include the same application certification statement provided in Section 184.207 of this Part. Applicants for reciprocal licensure may be required to submit supplementary information to the Agency, as provided in Section 184.200 of this Part.

e) Applicants for reciprocal licensure and Licensed Industrial Hygienists who have obtained that status in Illinois on the basis of reciprocity shall be subject to and entitled to the same procedural rights provided in Subpart E of this Part.

f) Applicants for reciprocal licensure and renewal reciprocal licensure shall be required to pay the same fees required for all other applicants, as provided in Subpart D of this Part. In addition, applicants seeking to be initially licensed on the basis of reciprocity shall pay \$100 as a reciprocity fee.

## DEPARTMENT OF INSURANCE

## NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Group Discontinuance and Replacement
- 2) Code Citation: 50 Ill. Adm. Code 2013
- 3) 

|                        |                        |
|------------------------|------------------------|
| <u>Section Number:</u> | <u>Adopted Action:</u> |
| 2013.10                | Amended                |
| 2013.20                | Amended                |
| 2013.30                | Amended                |
| 2013.40                | Amended                |
| 2013.60                | Amended                |
| 2013.70                | Amended                |
- 4) Statutory Authority: Implementing and authorized by Section 367i of the Illinois Insurance Code [215 ILCS 5/367i].
- 5) Effective Date of Amendment: November 15, 1994
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this Amendment contain incorporations by reference? No
- 8) Date filed in Agency's Principal Office: November 15, 1994
- 9) Notice of Proposal Published in Illinois Register:  
June 3, 1994, 18 Ill. Reg. 8320
- 10) Has JCAR issued a Statement of Objections to this rule? No
- 11) Difference(s) between proposal and final version:
  - a) All terms being defined are now in quotation marks. Section 2013.30 "Totally Disabled" - The subsection indicators have been deleted. Also, in what was subsection (b), on the third line, the comma following the word "disease" has been deleted.
  - b) Section 2013.60 - The subparagraphs have now been arranged in alphabetical order.
  - c) Section 2013.70(a)(2) - On the last line, "subsection" has been changed to "Section".
  - d) Section 2013.70(a)(4) - On the last line, "carriers" is now "carrier's".
  - e) Section 2013.70(b)(s)(C)(ii) - On the first line, the comma following the stricken language is being deleted.

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- f) Section 2013.70(c)(1) - On the fourth line, "subsection" has been changed to "subsections".
- 12) Have all changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes
- 13) Will this amendment replace an emergency rule currently in effect? No
- 14) Are there any amendments pending on this Part? No
- 15) Summary and Purpose of rulemaking: The Department is simply making revisions to further clarify the intent of this Part.
- 16) Information and questions regarding this adopted amendment shall be directed to:

Chris Venable  
Department of Insurance  
320 West Washington  
Springfield, Illinois 62767

The full text of the Adopted Amendment begins on the next page.

## DEPARTMENT OF INSURANCE

## NOTICE OF ADOPTED AMENDMENTS

TITLE 50: INSURANCE  
CHAPTER 1: DEPARTMENT OF INSURANCE  
SUBCHAPTER 2: ACCIDENT AND HEALTH INSURANCE  
HEALTH MAINTENANCE ORGANIZATION

## PART 2013

## GROUP COVERAGE DISCONTINUANCE AND REPLACEMENT

|  |  |
|--|--|
| Section  |  |
| 2013.10 Authority  |  |
| 2013.20 Scope  |  |
| 2013.30 Definitions  |  |
| 2013.40 Effective Date of Discontinuance for Non-Payment of Premium or Subscription-Charges          |  |
| 2013.50 Requirements for Notice of Discontinuance  |  |
| 2013.60 Extension of Benefits  |  |
| 2013.70 Continuance of Coverage in Situations Involving Replacement of One Group Contract by Another |  |

AUTHORITY: Implementing and authorized by Section 367i of the Illinois Insurance Code (Ill. Rev. Stat. 1991, ch. 73, par. 979i) [215 ILCS 5/367i].

SOURCE: Adopted at 14 Ill. Reg. 17217, effective October 4, 1990; amended at 17 Ill. Reg. 1525, effective January 20, 1993; amended at 18 Ill. Reg. 16921, effective NOV 15 1994.

## Section 2013.10 Authority

This Part is adopted and promulgated by the Director of Insurance pursuant to Section 367i of the Illinois Insurance Code (Ill. Rev. Stat. 1991, ch. 73, par. 979i) [215 ILCS 5/367i].

(Source: Amended at 18 Ill. Reg. 16921, effective NOV 15 1994)

## Section 2013.20 Scope

This Part is applicable to all group health or disability insurance contracts and group Health Maintenance Organization (HMO) contracts, issued for delivery in this State, renewed, amended or under which the level of benefits or premium is altered or modified, covering persons as employees of employers or as members of unions or associations.

(Source: Amended at 18 Ill. Reg. 16921, effective NOV 15 1994)

## Section 2013.30 Definitions

"Accrued Liability" means liabilities established on the date an



## DEPARTMENT OF INSURANCE

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injury is sustained or an illness commences.

"Group Contract" means a contract for health or disability insurance or an HMO contract made with an employer or other entity that covers a group of persons, identified as individuals, because of their relationship to the covered entity.

"Prior Carrier" means the carrier of group health care coverage provided by the employer or other entity immediately prior to the effective date of discontinuance and which has or has not been replaced by a succeeding carrier's coverage plan.

"Succeeding Carrier" means the carrier of group health coverage provided by an employer or other entity which is issued within 90 days after the discontinuance of the prior plan.

"Totally Disabled" means:

~~For Long-Term Disability Policies~~ For employees, the inability of the covered employee to perform his or her regular or customary occupational duties because of injury or disease; and after benefits have been paid for 24 months, the covered person cannot perform the duties of any gainful occupation for which he or she is reasonably fitted by training, education or experience; or

~~for Short-Term Disability Policies:~~

~~the inability of the covered employee to perform his or her regular or customary occupational duties because of injury or disease; or~~

For the inability of an employee or retired employee, the inability because of injury or disease to engage in substantially all of the normal activities of a person in good health of like age and sex because of injury or disease.

(Source: Amended at 18 Ill. Reg. 16921, effective NOV 15 1994)

#### Section 2013.40 Effective Date of Discontinuance for Non-Payment of Premium of Subscription-Charges

a) If a group contract subject to this Part provides for automatic discontinuance of the contract after a premium has remained unpaid through the grace period allowed for such payment, the carrier shall be liable for valid claims for covered losses incurred prior to the end of the grace period. The carrier shall, however, be entitled to the premium for coverage provided during the grace period.

b) If the act of the carrier after the end of the grace period indicates that it considers the group contract as continuing in force beyond the end of the grace period by continuing to recognize claims subsequently incurred, the carrier shall be liable for valid claims for losses beginning prior to the effective date of written notice of

## DEPARTMENT OF INSURANCE

## NOTICE OF ADOPTED AMENDMENTS

discontinuance to the contract holders or other entity responsible for making payments to the carrier. The effective date of discontinuance shall not be prior to midnight at the end of the third scheduled work day after the date upon which the notice is delivered.

(Source: Amended at 18 Ill. Reg. 16921, effective NOV 15 1994)

#### Section 2013.60 Extension of Benefits

a) Every group contract subject to this Part must include a provision for a reasonable extension of benefits in the event of total disability on the date of discontinuance of the group contract as required by subsections (b) through and (d) (c) hereunder.

eb) In ~~all other~~ the ~~cases~~ case of hospital or and medical expense coverages and HMO plans, other than dental, pharmaceutical or other limited expense coverages, ~~a reasonable extension of~~ ~~benefits~~ ~~provision is required.~~ Such extension will be considered "reasonable" if it provides for an extension until the earliest of the following:

- 1) the end of twelve months; or
- 2) the date the maximum benefit is reached; or
- 3) the end of total disability.

dc) Under ~~for~~ other types of hospital or medical expenses plans, such as those limited to hospital expenses only, medical expenses only, or surgical expenses only, ~~a reasonable extension of benefits is required.~~ Such extension will be considered "reasonable" if it provides for an extension until the earliest of the following:

- 1) ninety days; or
- 2) the date the maximum benefit is reached; or
- 3) the end of total disability.

bd) In the case of a disability income contract providing benefits for loss of time from work, or specific indemnity during hospital confinement on an accrued liability basis, discontinuance of the group contract during a disability or confinement shall have no effect on benefits payable for that disability or confinement.

e) Any applicable extension of benefits or accrued liability shall be described in the group contract involved as well as in group certificates. ~~The~~ All benefits payable during any period of extension of benefits or accrued liability ~~may~~ will be subject to the group contract's regular benefit limits (e.g., benefits ceasing at exhaustion of a benefit period or of maximum benefits or benefit restrictions for services provided by unaffiliated providers of an HMO) but in no event shall ~~the extensions described in subsection (c) above~~ benefits be reduced solely because of the discontinuance of the group contract except as otherwise permitted by this Part.

f) An extension of benefits need not be provided when an individual's coverage terminates under the group contract in accordance with the contract's eligibility and termination provisions.

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(Source: Amended at 18 Ill. Reg. **16921**, effective  
**NOV 15 1994**)

### Section 2013.70 Continuance of Coverage in Situations Involving Replacement of One Group Contract by Another

This Section sets standards for determining liability when one group contract replaces another group contract.

- a) Liability of prior carrier.
  - 1) The prior carrier remains liable only to the extent of its accrued liabilities and extensions of benefits. The position of the prior carrier shall be the same whether the group contract holder or other entity secures replacement coverage from a new carrier, the same carrier, self-insures, or foregoes the provision of coverage.
  - 2) Employees and dependents who are totally disabled on the date of discontinuance of the group policy of the prior carrier shall be provided an extension of benefits for a disabling illness, injury or condition as described in subsection Section 2013.60-4.
  - 3) The prior carrier, if an HMO, may limit the extension of benefits for a totally disabling illness, injury or condition to services provided by or through their participating providers, unless services are rendered on an emergency basis.
  - 4) No prior carrier may terminate the required extension of benefits because the totally disabled person becomes covered under the succeeding carrier's contract.
  - 5) The prior carrier must provide the extension of benefits without cost to the totally disabled person except for copayments, coinsurance and deductibles in effect at the time of discontinuance and following the discontinuance of coverage.
- b) Liability of Succeeding Carrier.
  - 1) Each person who is eligible for coverage in accordance with the succeeding carrier's plan of benefits, in respect to classes eligible and actively at work and non-confinement rules, shall be covered by the succeeding carrier's plan of benefits. For purposes of this subsection, the succeeding carrier shall not individually underwrite when determining eligibility except for purposes of accepting or rejecting the group as a whole.
  - 2) Each person not covered under the succeeding carrier's plan of benefits in accordance with subsection (b)(1) above because he or she does not satisfy the actively at work or non-confinement requirement, must nevertheless be covered by the succeeding carrier in accordance with the following standards if such individual was validly covered, including benefits--extension by extension of benefits, under the prior plan on the date of discontinuance--if and such individual is a member of the class or classes of individuals eligible for coverage under--the succeeding--carrier's--plan;--but--does--not--satisfy--the--actively--at work--or--non-confinement--requirements--of--this--plan--on--its

effective--date;--such--individual--shall--be--eligible--for--benefits--as  
described--hereunder. Any reference in the following standards to an individual who was or was not totally disabled is a reference to the individual's status immediately prior to the date the succeeding carrier's coverage becomes effective.

- A) The minimum level of benefits to be provided by the succeeding carrier shall be the applicable level of benefits of the prior carrier's plan reduced by any benefits payable by the prior plan.
  - B) When the succeeding carrier is an HMO, the benefits must be the HMO's own level of benefits, reduced by benefits provided or payable by the prior plan.
  - C) Benefits under this subsection must be provided by the succeeding carrier until at least the earliest of the following dates:
    - i) the date the individual becomes eligible under the succeeding carrier's group contract according to subsection (b)(1) above.
    - ii) for--each--type--of--coverage the date the individual's benefits would terminate in accordance with the succeeding carrier's plan provisions applicable to individual termination of coverage (e.g., at termination of employment or ceasing to be an eligible dependent).
    - iii) in the case of an individual who was totally disabled and in the case of a type of coverage for which Section 2013.60 requires an extension of benefits or accrued liability, the end of any period of extension or accrued liability, which is required of the prior carrier by Section 2013.60 or, if the prior carrier's policy is not subject to that Section, would have been required of that carrier had its policy been subject to Section 2013.60 at--the--time--the--prior--plan--was  
discontinued--and--replaced--by--the--succeeding--group  
contract.
- 3) The conversion privilege shall be available to those individuals whose benefits cease, if the individual has not become eligible under the succeeding carrier's plan described in subsection (b)(1) above.
  - 4) In the case of a pre-existing conditions limitation included in the succeeding carrier's plan, the level of benefits applicable to pre-existing conditions of persons covered by the succeeding carrier during the period of time this limitation applies, shall be the lesser of:
    - A) the benefits of the new plan determined without application of the pre-existing conditions limitation; or
    - B) the benefits of the prior plan.
  - 5) The succeeding carrier, in applying any deductibles, coinsurance, copayments or waiting period in its plan, shall give credit for



## DEPARTMENT OF INSURANCE

## NOTICE OF ADOPTED AMENDMENTS

the satisfaction or partial satisfaction of the same or similar provisions under a prior plan providing similar benefits. In the case of deductible provisions, the credit shall apply for the same or overlapping benefit periods and shall be given for expenses actually incurred and applied against the deductible provision of the prior carrier's plan during the 90 days preceding the effective date of the succeeding carrier's plan, but only to the extent these expenses are recognized under the terms of the succeeding carrier's plan and are subject to similar deductible provisions.

- 6) In any situation where a determination of the prior carrier's benefits is required by the succeeding carrier, at the succeeding carrier's request the prior carrier shall furnish a statement of the benefits available or pertinent information, sufficient to permit verification of the benefit determination or the determination itself by the succeeding carrier. For the purposes of this Section, benefits of the prior plan will be determined in accordance with all of the definitions, conditions, and covered expenses provisions of the prior plan rather than those of the succeeding plan. The benefit determination will be made as if coverage had not been replaced by the succeeding carrier.

## c) Liability of Succeeding Carrier as an HMO

- 1) So long as federally qualified HMOs are not permitted to require actively at work, hospital non-confinement rules, medical evidence of insurability, or pre-existing condition limitations, subsection subsections (b)(2)(A) and (b)(4) above do not apply to federally qualified HMOs.
- 2) In situations where services for the totally disabled person are provided by the succeeding HMO, the succeeding HMO may bill the prior carrier for the reasonable cash value of services provided when the prior carrier has an obligation under its required extension of benefits. The prior carrier shall make direct payment to the succeeding HMO for the cost of the services provided.

(Source: Amended at 18 Ill. Reg. 16921, effective NOV 15 1994 )

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

- 1) Heading of the Part: Definitions and General Provisions
- 2) Code Citation: 35 Ill. Adm. Code 211
- 3) Section Numbers: Adopted Action:  
211.2300 New Section  
211.3695 New Section  
211.4130 Amendment
- 4) Statutory Authority: 415 ILCS 5/28.5 and 39.5
- 5) Effective Date of Amendments: Nov 15, 1994
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Do these amendments contain incorporations by reference? No
- 8) Date filed in Board's principal office: Order adopted in R94-16 on October 20, 1994.
- 9) Notice of Proposal Published in Illinois Register:  
July 8, 1994, 18 Ill. Reg. 10536
- 10) Has JCAR issued a Statement of Objections to these rules? No
- 11) Differences between proposal and final version:  
In Authority Note changed "Section" to "Sections".  
In Section 211.2300 added a comma after 219.129.  
In Section 211.3695 replaced "as reported by the National Weather Service" with "of 75 degrees fahrenheit for the Chicago nonattainment area as defined at 35 Ill. Adm. Code 218.100 or 79 degrees fahrenheit for the Metro-East nonattainment area as defined at 35 Ill. Adm. Code 219.100" in Section 211.4130 changed "of" to "or"
- 12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Yes, and JCAR's verbal recommendations have been incorporated into the text.

- 13) Will these amendments replace an emergency rule currently in effect? No

- 14) Are there any other amendments pending on this Part? Yes  
Section Numbers: Proposed Action: Ill. Reg. Citation:  
211.660 New 18 Ill. Reg. 15192  
October 14, 1994  
211.670 Amended 18 Ill. Reg. 15192

## POLLUTION CONTROL BOARD

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|          |     |                    |
|----------|-----|--------------------|
| 211.680  | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.820  | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.980  | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.1780 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.1880 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.1900 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.2290 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.2360 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.2365 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.2630 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.4055 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.4740 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.5065 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.5480 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.5600 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.6060 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.6140 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.6400 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.6580 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.6980 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |
| 211.7400 | New | October 14, 1994   |
|          |     | 18 Ill. Reg. 15192 |

15) Summary and Purpose of Amendments:

Two additional definitions are proposed to coincide with adopted amendments to 35 Ill. Adm. Code 218 and 219. Section 211.4130 is amended to reflect the definition of "opacity" in 35 Ill. Adm. Code 240.

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

16) Information and questions regarding this adopted amendment shall be directed to:

Diane F. O'Neill  
 Attorney  
 Illinois Pollution Control Board  
 100 W. Randolph 11-500  
 Chicago, IL 60601  
 312/814-6062

The full text of the adopted amendments begins on the next page:



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

TITLE 35: ENVIRONMENTAL PROTECTION  
 SUBTITLE B: AIR POLLUTION  
 CHAPTER I: POLLUTION CONTROL BOARD  
 SUBCHAPTER C: EMISSION STANDARDS AND LIMITATIONS  
 FOR STATIONARY SOURCES

## PART 211

## DEFINITIONS AND GENERAL PROVISIONS

## SUBPART A: GENERAL PROVISIONS

## Section

211.101 Incorporations by Reference  
 211.102 Abbreviations and Conversion Factors

## SUBPART B: DEFINITIONS

## Section

211.121 Other Definitions  
 211.122 Definitions (Repealed)  
 211.130 Accelacota  
 211.150 Accumulator  
 211.170 Acid Gases  
 211.210 Actual Heat Input  
 211.230 Adhesive  
 211.250 Aeration  
 211.270 Aerosol Can Filling Line  
 211.290 Afterburner  
 211.310 Air Contaminant  
 211.330 Air Dried Coatings  
 211.350 Air Oxidation Process  
 211.370 Air Pollutant  
 211.390 Air Pollution  
 211.410 Air Pollution Control Equipment  
 211.430 Air Suspension Coater/Dryer  
 211.450 Airless Spray  
 211.470 Air Assisted Airless Spray  
 211.490 Annual Grain Through-Put  
 211.510 Application Area  
 211.530 Architectural Coating  
 211.550 As Applied  
 211.570 Asphalt  
 211.590 Asphalt Prime Coat  
 211.610 Automobile  
 211.630 Automobile or Light-Duty Truck Assembly Source or Automobile or Light-Duty Truck Manufacturing Plant  
 211.650 Automobile or Light-Duty Truck Refinishing  
 211.670 Baked Coatings  
 211.690 Batch Loading

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211.710 Bead-Dipping  
 211.730 Binders  
 211.750 British Thermal Unit  
 211.770 Brush or Wipe Coating  
 211.790 Bulk Gasoline Plant  
 211.810 Bulk Gasoline Terminal  
 211.830 Can  
 211.850 Can Coating  
 211.870 Can Coating Line  
 211.890 Capture  
 211.910 Capture Device  
 211.930 Capture Efficiency  
 211.950 Capture System  
 211.970 Certified Investigation  
 211.990 Choke Loading  
 211.1010 Clean Air Act  
 211.1050 Cleaning and Separating Operation  
 211.1070 Cleaning Materials  
 211.1090 Clear Coating  
 211.1110 Clear Topcoat  
 211.1130 Closed Purged System  
 211.1150 Closed Vent System  
 211.1170 Coal Refuse  
 211.1190 Coating  
 211.1210 Coating Applicator  
 211.1230 Coating Line  
 211.1250 Coating Plant  
 211.1270 Coil Coating  
 211.1290 Coil Coating Line  
 211.1310 Cold Cleaning  
 211.1330 Complete Combustion  
 211.1350 Component  
 211.1370 Concrete Curing Compounds  
 211.1390 Concentrated Nitric Acid Manufacturing Process  
 211.1410 Condensate  
 211.1430 Condensible PM-10  
 211.1470 Continuous Process  
 211.1490 Control Device  
 211.1510 Control Device Efficiency  
 211.1530 Conventional Soybean Crushing Source  
 211.1550 ConveyORIZED Degreasing  
 211.1570 Crude Oil  
 211.1590 Crude Oil Gathering  
 211.1610 Crushing  
 211.1630 Custody Transfer  
 211.1650 Cutback Asphalt  
 211.1670 Daily-Weighted Average VOM Content  
 211.1690 Day  
 211.1710 Degreaser

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|          |  |
|----------|--|
| 211.1730 | Delivery Vessel  |
| 211.1750 | Dip Coating  |
| 211.1770 | Distillate Fuel Oil  |
| 211.1790 | Drum   |
| 211.1810 | Dry Cleaning Operation or Dry Cleaning Facility                  |
| 211.1830 | Dump-Pit Area  |
| 211.1850 | Effective Grate Area   |
| 211.1870 | Effluent Water Separator   |
| 211.1890 | Electrostatic Bell or Disc Spray                                 |
| 211.1910 | Electrostatic Spray  |
| 211.1930 | Emission Rate  |
| 211.1950 | Emission Unit  |
| 211.1970 | Enamel   |
| 211.1990 | Enclose  |
| 211.2010 | End Sealing Compound Coat  |
| 211.2030 | Enhanced Under-the-Cup Fill                                      |
| 211.2050 | Ethanol Blend Gasoline   |
| 211.2070 | Excess Air   |
| 211.2090 | Excessive Release  |
| 211.2110 | Existing Grain-Drying Operation                                  |
| 211.2130 | Existing Grain-Handling Operation                                |
| 211.2150 | Exterior Base Coat   |
| 211.2170 | Exterior End Coat  |
| 211.2190 | External Floating Roof   |
| 211.2210 | Extreme Performance Coating                                      |
| 211.2230 | Fabric Coating   |
| 211.2250 | Fabric Coating Line  |
| 211.2270 | Federally Enforceable Limitations and Conditions                 |
| 211.2300 | Fill   |
| 211.2310 | Final Repair Coat  |
| 211.2330 | Firebox  |
| 211.2350 | Fixed-Roof Tank  |
| 211.2370 | Flexographic Printing  |
| 211.2390 | Flexographic Printing Line                                       |
| 211.2410 | Floating Roof  |
| 211.2430 | Fountain Solution  |
| 211.2450 | Freeboard Height   |
| 211.2470 | Fuel Combustion Emission Unit or Fuel Combustion Emission Source |
| 211.2490 | Fugitive Particulate Matter                                      |
| 211.2510 | Full Operating Flowrate  |
| 211.2530 | Gas Service  |
| 211.2550 | Gas/Gas Method   |
| 211.2570 | Gasoline   |
| 211.2590 | Gasoline Dispensing Operation or Gasoline Dispensing Facility    |
| 211.2610 | Gel Coat   |
| 211.2650 | Grain  |
| 211.2670 | Grain-Drying Operation   |
| 211.2690 | Grain-Handling and Conditioning Operation                        |
| 211.2710 | Grain-Handling Operation   |

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|          |   |
|----------|---|
| 211.2730 | Green-Tire Spraying                             |
| 211.2750 | Green Tires                                     |
| 211.2770 | Gross Heating Value                             |
| 211.2790 | Gross Vehicle Weight Rating                     |
| 211.2810 | Heated Airless Spray                            |
| 211.2830 | Heatset   |
| 211.2850 | Heatset-Web-Offset Lithographic Printing Line   |
| 211.2870 | Heavy Liquid                                    |
| 211.2890 | Heavy Metals                                    |
| 211.2910 | Heavy Off-Highway Vehicle Products              |
| 211.2930 | Heavy Off-Highway Vehicle Products Coating      |
| 211.2950 | Heavy Off-Highway Vehicle Products Coating Line |
| 211.2970 | High Temperature Aluminum Coating               |
| 211.2990 | High Volume Low Pressure (HVLP) Spray           |
| 211.3010 | Hood  |
| 211.3030 | Hot Well  |
| 211.3050 | Housekeeping Practices                          |
| 211.3070 | Incinerator                                     |
| 211.3090 | Indirect Heat Transfer                          |
| 211.3110 | Ink   |
| 211.3130 | In-Process Tank                                 |
| 211.3150 | In-Situ Sampling Systems                        |
| 211.3170 | Interior Body Spray Coat                        |
| 211.3190 | Internal-Floating Roof                          |
| 211.3210 | Internal Transferring Area                      |
| 211.3230 | Lacquers  |
| 211.3250 | Large Appliance                                 |
| 211.3270 | Large Appliance Coating                         |
| 211.3290 | Large Appliance Coating Line                    |
| 211.3310 | Light Liquid                                    |
| 211.3330 | Light-Duty Truck                                |
| 211.3350 | Light Oil                                       |
| 211.3370 | Liquid/Gas Method                               |
| 211.3390 | Liquid-Mounted Seal                             |
| 211.3410 | Liquid Service                                  |
| 211.3430 | Liquids Dripping                                |
| 211.3450 | Lithographic Printing Line                      |
| 211.3470 | Load-Out Area                                   |
| 211.3480 | Loading Event                                   |
| 211.3490 | Low Solvent Coating                             |
| 211.3500 | Lubricating Oil                                 |
| 211.3510 | Magnet Wire                                     |
| 211.3530 | Magnet Wire Coating                             |
| 211.3550 | Magnet Wire Coating Line                        |
| 211.3570 | Major Dump Pit                                  |
| 211.3590 | Major Metropolitan Area (MMA)                   |
| 211.3610 | Major Population Area (MPA)                     |
| 211.3620 | Manually Operated Equipment                     |
| 211.3630 | Manufacturing Process                           |



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

|          |   |
|----------|---|
| 211.3650 | Marine Terminal   |
| 211.3660 | Marine Vessel   |
| 211.3670 | Material Recovery Section   |
| 211.3690 | Maximum Theoretical Emissions   |
| 211.3695 | Maximum True Vapor Pressure   |
| 211.3710 | Metal Furniture   |
| 211.3730 | Metal Furniture Coating   |
| 211.3750 | Metal Furniture Coating Line  |
| 211.3770 | Metallic Shoe-Type Seal   |
| 211.3790 | Miscellaneous Fabricated Product Manufacturing Process                                    |
| 211.3810 | Miscellaneous Formulation Manufacturing Process   |
| 211.3830 | Miscellaneous Metal Parts and Products  |
| 211.3850 | Miscellaneous Metal Parts and Products Coating  |
| 211.3870 | Miscellaneous Metal Parts or Products Coating Line  |
| 211.3890 | Miscellaneous Organic Chemical Manufacturing Process                                      |
| 211.3910 | Mixing Operation  |
| 211.3930 | Monitor   |
| 211.3950 | Monomer   |
| 211.3970 | Multiple Package Coating  |
| 211.3990 | New Grain-Drying Operation  |
| 211.4010 | New Grain-Handling Operation  |
| 211.4030 | No Detectable Volatile Organic Material Emissions   |
| 211.4050 | Non-Contact Process Water Cooling Tower   |
| 211.4070 | Offset  |
| 211.4090 | One Hundred Percent Acid  |
| 211.4110 | One-Turn Storage Space  |
| 211.4130 | Opacity   |
| 211.4150 | Opaque Stains   |
| 211.4170 | Open Top Vapor Degreasing   |
| 211.4190 | Open-Ended Valve  |
| 211.4210 | Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility |
| 211.4230 | Organic Compound  |
| 211.4250 | Organic Material and Organic Materials  |
| 211.4260 | Organic Solvent   |
| 211.4270 | Organic Vapor   |
| 211.4290 | Oven  |
| 211.4310 | Overall Control   |
| 211.4330 | Overvarnish   |
| 211.4350 | Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility       |
| 211.4370 | Owner or Operator   |
| 211.4390 | Packaging Rotogravure Printing  |
| 211.4410 | Packaging Rotogravure Printing Line   |
| 211.4430 | Pail  |
| 211.4450 | Paint Manufacturing Source or Paint Manufacturing Plant                                   |
| 211.4470 | Paper Coating   |
| 211.4490 | Paper Coating Line  |
| 211.4510 | Particulate Matter  |

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|          |  |
|----------|--|
| 211.4530 | Parts Per Million (Volume) or PPM (Vol)                        |
| 211.4550 | Person   |
| 211.4590 | Petroleum  |
| 211.4610 | Petroleum Liquid   |
| 211.4630 | Petroleum Refinery   |
| 211.4650 | Pharmaceutical   |
| 211.4670 | Pharmaceutical Coating Operation                               |
| 211.4690 | Photochemically Reactive Material                              |
| 211.4710 | Pigmented Coatings   |
| 211.4730 | Plant  |
| 211.4750 | Plasticizers   |
| 211.4770 | PM-10  |
| 211.4790 | Pneumatic Rubber Tire Manufacture                              |
| 211.4810 | Polybasic Organic Acid Partial Oxidation Manufacturing Process |
| 211.4830 | Polyester Resin Material(s)                                    |
| 211.4850 | Polyester Resin Products Manufacturing Process                 |
| 211.4870 | Polystyrene Plant  |
| 211.4890 | Polystyrene Resin  |
| 211.4910 | Portable Grain-Handling Equipment                              |
| 211.4930 | Portland Cement Manufacturing Process Emission Source          |
| 211.4950 | Portland Cement Process or Portland Cement Manufacturing Plant |
| 211.4970 | Potential to Emit  |
| 211.4990 | Power Driven Fastener Coating                                  |
| 211.5030 | Pressure Release   |
| 211.5050 | Pressure Tank  |
| 211.5060 | Pressure/Vacuum Relief Valve                                   |
| 211.5070 | Prime Coat   |
| 211.5090 | Primer Surfacer Coat   |
| 211.5110 | Primer Surfacer Operation                                      |
| 211.5130 | Primers  |
| 211.5150 | Printing   |
| 211.5170 | Printing Line  |
| 211.5185 | Process Emission Source  |
| 211.5190 | Process Emission Unit  |
| 211.5210 | Process Unit   |
| 211.5230 | Process Unit Shutdown  |
| 211.5340 | Rated Heat Input Capacity                                      |
| 211.5250 | Process Weight Rate  |
| 211.5270 | Production Equipment Exhaust System                            |
| 211.5310 | Publication Rotogravure Printing Line                          |
| 211.5330 | Purged Process Fluid   |
| 211.5350 | Reactor  |
| 211.5370 | Reasonably Available Control Technology (RACT)                 |
| 211.5390 | Reclamation System   |
| 211.5410 | Refinery   |
| 211.5430 | Refinery Fuel Gas  |
| 211.5450 | Refinery Fuel Gas System                                       |
| 211.5470 | Refinery Unit or Refinery Process Unit                         |
| 211.5490 | Refrigerated Condenser   |

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|          |   |
|----------|---|
| 211.5500 | Regulated Air Pollutant                             |
| 211.5510 | Reid Vapor Pressure                                 |
| 211.5530 | Repair  |
| 211.5550 | Repair Coat   |
| 211.5570 | Repaired  |
| 211.5590 | Residual Fuel Oil                                   |
| 211.5610 | Restricted Area                                     |
| 211.5630 | Retail Outlet                                       |
| 211.5650 | Ringelmann Chart                                    |
| 211.5670 | Roadway   |
| 211.5690 | Roll Coater   |
| 211.5710 | Roll Coating  |
| 211.5730 | Roll Printer  |
| 211.5750 | Roll Printing                                       |
| 211.5770 | Rotogravure Printing                                |
| 211.5790 | Rotogravure Printing Line                           |
| 211.5810 | Safety Relief Valve                                 |
| 211.5830 | Sandblasting  |
| 211.5850 | Sanding Sealers                                     |
| 211.5870 | Screening   |
| 211.5890 | Sealer  |
| 211.5910 | Semi-Transparent Stains                             |
| 211.5930 | Sensor  |
| 211.5950 | Set of Safety Relief Valves                         |
| 211.5970 | Sheet Basecoat                                      |
| 211.5990 | Shotblasting  |
| 211.6010 | Side-Seam Spray Coat                                |
| 211.6030 | Smoke   |
| 211.6050 | Smokeless Flare                                     |
| 211.6070 | Solvent   |
| 211.6090 | Solvent Cleaning                                    |
| 211.6110 | Solvent Recovery System                             |
| 211.6130 | Source  |
| 211.6150 | Specialty High Gloss Catalyzed Coating              |
| 211.6170 | Specialty Leather                                   |
| 211.6190 | Specialty Soybean Crushing Source                   |
| 211.6210 | Splash Loading                                      |
| 211.6230 | Stack   |
| 211.6250 | Stain Coating                                       |
| 211.6270 | Standard Conditions                                 |
| 211.6290 | Standard Cubic Foot (scf)                           |
| 211.6310 | Start-Up  |
| 211.6330 | Stationary Emission Source                          |
| 211.6350 | Stationary Emission Unit                            |
| 211.6355 | Stationary Gas Turbine                              |
| 211.6360 | Stationary Reciprocating Internal Combustion Engine |
| 211.6370 | Stationary Source                                   |
| 211.6390 | Stationary Storage Tank                             |
| 211.6410 | Storage Tank or Storage Vessel                      |

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|          |  |
|----------|--|
| 211.6430 | Styrene Devolatilizer Unit   |
| 211.6450 | Styrene Recovery Unit  |
| 211.6470 | Submerged Loading Pipe   |
| 211.6490 | Substrate  |
| 211.6510 | Sulfuric Acid Mist   |
| 211.6530 | Surface Condenser  |
| 211.6550 | Synthetic Organic Chemical or Polymer Manufacturing Plant          |
| 211.6570 | Tablet Coating Operation   |
| 211.6590 | Thirty-Day Rolling Average   |
| 211.6610 | Three-Piece Can  |
| 211.6630 | Through-the-Valve Fill   |
| 211.6650 | Tooling Resin  |
| 211.6670 | Topcoat  |
| 211.6690 | Topcoat Operation  |
| 211.6710 | Touch-Up   |
| 211.6730 | Transfer Efficiency  |
| 211.6750 | Tread End Cementing  |
| 211.6770 | True Vapor Pressure  |
| 211.6790 | Turnaround   |
| 211.6810 | Two-Piece Can  |
| 211.6830 | Under-the-Cup Fill   |
| 211.6850 | Undertread Cementing   |
| 211.6870 | Unregulated Safety Relief Valve                                    |
| 211.6890 | Vacuum Producing System  |
| 211.6910 | Vacuum Service   |
| 211.6930 | Valves Not Externally Regulated                                    |
| 211.6950 | Vapor Balance System   |
| 211.6970 | Vapor Collection System  |
| 211.6990 | Vapor Control System   |
| 211.7010 | Vapor-Mounted Primary Seal   |
| 211.7030 | Vapor Recovery System  |
| 211.7050 | Vapor Suppressed Polyester Resin                                   |
| 211.7070 | Vinyl Coating  |
| 211.7090 | Vinyl Coating Line   |
| 211.7110 | Volatile Organic Liquid (VOL)                                      |
| 211.7130 | Volatile Organic Material Content (VOMC)                           |
| 211.7150 | Volatile Organic Material (VOM) or Volatile Organic Compound (VOC) |
| 211.7170 | Volatile Petroleum Liquid  |
| 211.7190 | Wash Coat  |
| 211.7210 | Wastewater (Oil/Water) Separator                                   |
| 211.7230 | Weak Nitric Acid Manufacturing Process                             |
| 211.7250 | Web  |
| 211.7270 | Wholesale Purchase - Consumer                                      |
| 211.7290 | Wood Furniture   |
| 211.7310 | Wood Furniture Coating   |
| 211.7330 | Wood Furniture Coating Line  |
| 211.7350 | Woodworking  |

APPENDIX A

Rule into Section Table



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

## APPENDIX B Section into Rule Table

**AUTHORITY:** Implementing Sections 9, 9.1 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act [415 ILCS 5/9, 9.1, 10, 27 and 28.5].

**SOURCE:** Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14963, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 21, 1994; amended in R94-15 at 18 Ill. Reg. 16376, effective October 17, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994.

**BOARD NOTE:** This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

**NOTE:** In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets.

## SUBPART B: DEFINITIONS

## Section 211.2300 Fill

"Fill", for purposes of 35 Ill. Adm. Code 218.119 through 218.129 and 219.119 through 219.122, means the introduction of VOL into a storage vessel but not necessarily to complete capacity.

(Source: Added at 18 Ill. Reg. 16929, effective

## POLLUTION CONTROL BOARD

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## Section 211.3695 Maximum True Vapor Pressure

"Maximum true vapor pressure" means the equilibrium partial pressure exerted by stored VOL at the temperature equal to the highest calendar-month average of the VOL storage temperature for VOLs stored above or below the ambient temperature or at the local maximum monthly average temperature of 75 degrees Fahrenheit for the Chicago nonattainment area as defined at 35 Ill. Adm. Code 218.100 or 79 degrees Fahrenheit for the Metro-East nonattainment area as defined at 35 Ill. Adm. Code 219.100 for VOLs stored at the ambient temperature, as determined:

- In accordance with methods described in American Petroleum Institute bulletin 2517, Evaporation Loss from External Floating Roof Tanks, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112; or
- By ASTM Method D2879-83, incorporated by reference at 35 Ill. Adm. Code 218.112(a)(1) and 219.112(a)(1).

(Source: Added at 18 Ill. Reg. 16929, effective NOV 15 1994)

## Section 211.4130 Opacity

"Opacity" means

- For purposes of Part 212, a condition which renders material partially or wholly impervious to transmittance of light and causes obstruction of an observer's view. For the purposes of these regulations, the following equivalence between opacity and Ringelmann shall be employed:

| Opacity Percent | Ringelmann |
|-----------------|------------|
| 10              | 0.5        |
| 20              | 1.         |
| 30              | 1.5        |
| 40              | 2.         |
| 60              | 3.         |
| 80              | 4.         |
| 100             | 5.         |

- That fraction of light, expressed in percent, which when transmitted from a source through a smoke-obscured path, is prevented from reaching the observer or instrument receiver.

(Source: Amended at 18 Ill. Reg. 16929, effective NOV 15 1994)

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## NOTICE OF ADOPTED RULES

- 1) Heading of the Part: INFORMATION TO BE SUBMITTED IN A COMPOST FACILITY PERMIT APPLICATION

- 2) Code Citation: 35 Ill. Adm. Code 831

- 3) Section Numbers: Adopted Action:  
 831.101 new  
 831.102 new  
 831.103 new  
 831.104 new  
 831.105 new  
 831.106 new  
 831.107 new  
 831.108 new  
 831.109 new  
 831.110 new  
 831.111 new  
 831.112 new  
 831.113 new  
 831.114 new  
 831.115 new  
 831.116 new

- 4) Statutory Authority: 415 ILCS 5/5, 21, 22.33, 22.34, 22.35, 27 and 39.

- 5) Effective Date of Rulemaking: November 30, 1994

- 6) Does this rulemaking contain an automatic repeal date? No

- 7) Does this rulemaking contain incorporations by reference? Yes.  
 If "yes," was a copy of the approval form issued by JCAR attached to this rulemaking? No approval from JCAR was necessary as all the incorporations are pursuant to Section 6.02(a) of the Illinois Administrative Procedure Act.

- 8) Date Filed in Agency's Principal Office: November 30, 1994

- 9) Notice of Proposal Published in Illinois Register:  
 18 Ill. Reg. 11025

- 10) Has JCAR issued a Statement of Objections to these rules? No

- 11) Difference(s) between proposal and final version:  
 Only changes of a typographical nature have been made.

- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes

- 13) Will this rulemaking replace an emergency rule currently in effect? No

## POLLUTION CONTROL BOARD

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- 14) Are there any amendments pending on this Part? No

- 15) Summary and Purpose of Rulemaking:

A detailed explanation of the rules is contained in the Board's 84-page final notice opinion and order in R93-29, which is available from the Board at the address set forth in question 16.

This section sets forth the information that must be included in a permit application for all those landscape waste facilities required to have a permit. The regulation specifies requirements concerning necessary signatures, identification numbers, permit modification requirements, closure plans and permit renewal requirements, and establishes the Illinois Environmental Protection Agency's authority to collect permit fees. It also requires owners and operators to submit a site location map detailing information about the site, a narrative description of the facility, and a legal description of the facility boundaries.

- 16) Information and questions regarding these adopted rules shall be directed to:

Kevin G. Desharnais  
 100 W. Randolph Street  
 State of Illinois Center  
 Suite 11-500  
 Chicago, IL 60601  
 Telephone: (312) 814-4925

The full text of the Adopted Rules begins on the next page:

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED RULES

TITLE 35: ENVIRONMENTAL PROTECTION

SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER i: SOLID WASTE AND SPECIAL WASTE HAULING

PART 831

INFORMATION TO BE SUBMITTED IN A COMPOST FACILITY PERMIT APPLICATION

SUBPART A: GENERAL INFORMATION REQUIRED FOR  
ALL COMPOST FACILITIES

## Section

|         |   |
|---------|---|
| 831.101 | Scope and Applicability                               |
| 831.102 | Severability  |
| 831.103 | Certification by Professional Engineer                |
| 831.104 | Application Fees                                      |
| 831.105 | Required Signatures                                   |
| 831.106 | Site Identification                                   |
| 831.107 | Site Location Map                                     |
| 831.108 | Site Plan Map   |
| 831.109 | Narrative Description of the Facility                 |
| 831.110 | Legal Description                                     |
| 831.111 | Proof of Land Ownership and Certification             |
| 831.112 | Closure Plan  |
| 831.113 | Financial Assurance                                   |
| 831.114 | Operator-Initiated Modification of an Approved Permit |
| 831.115 | Modification to Obtain Operating Authorization        |
| 831.116 | Permit Renewal  |

AUTHORITY: Implementing Sections 5, 21, 22.33, 22.34, 22.35 and 39 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/5, 21, 22.33, 22.34, 22.35, 27 and 39].

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

SOURCE: Adopted at 18 Ill. Reg. **16942**, effective  
**NOV 20 1994**.

SUBPART A: GENERAL INFORMATION REQUIRED FOR  
ALL COMPOST FACILITIES

## Section 831.101 Scope and Applicability

This Part contains the procedures to be followed by all applicants in applying for permits required pursuant to Section 21(d) of the Act. The definitions set forth in 35 Ill. Adm. Code 830.102 apply to this Part.

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## Section 831.102 Severability

If any provision of this Part is adjudged invalid, or if the application thereof to any person or in any circumstance is adjudged invalid, such invalidity shall not affect the validity of either this Part as a whole or any Subpart, Section, subsection, sentence or clause thereof not adjudged invalid.

## Section 831.103 Certification by Professional Engineer

All designs presented in the application must be prepared by, or under the supervision of, a professional engineer if required by the Illinois Professional Engineering Practice Act [225 ILCS 325]. The professional engineer shall affix the name of the engineer, date of preparation, registration number, a statement attesting to the accuracy of the information and design and a professional seal to all designs.

## Section 831.104 Application Fees

The permit application must be accompanied by all filing fees required pursuant to Section 5(f) of the Act.

## Section 831.105 Required Signatures

- All permit applications must contain the full legal name, address and telephone number of the operator, the property owner, if different from the operator, and any duly authorized agent(s) of the operator or property owner to whom all inquiries and correspondence shall be addressed.
- All permit applications must be signed by the operator and the property owner, if different from the operator, or the duly authorized agent(s) of the operator or property owner, accompanied by an oath or affidavit attesting to the agent's authority to sign the application, if applicable, and notarized. The following persons are considered duly authorized agents of the operator and the property owner:
  - For corporations, a principal executive officer of at least the level of vice president;
  - For a sole proprietorship or partnership, the proprietor or a general partner, respectively; and
  - For a municipality, state, federal or other public agency, the head of the agency or ranking elected official.

## Section 831.106 Site Identification

For existing permitted sites, the site name and the Illinois Inventory Identification Number previously assigned by the Agency shall be used in correspondence with the Agency regarding the facility. Permit applications for new facilities must include the proposed facility name, the latitude and longitude of the site, if available, the legal description of the site, if available, and the physical location, including at a minimum the city or



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township, county, state and zip code. An Illinois Inventory Identification Number will be assigned by the Agency.

**Section 831.107 Site Location Map**

All permit applications shall contain a site location map on the most recent United States Geological Survey ("USGS") quadrangle of the area from the 7 1/2 minute series (topographic), or on such other map whose scale clearly shows the following information:

- The permit area and all adjacent property, extending at least 1/2 mile beyond the boundary of the facility;
- The prevailing wind direction;
- All rivers designated for protection under the Wild and Scenic Rivers Act (16 U.S.C. 127 et seq.);
- The limits of all 10-year floodplains;
- All natural areas designated as a Dedicated Illinois Nature Preserve pursuant to the Illinois Natural Areas Preservation Act [525 ILCS 30];
- All historic and archaeological sites designated by the National Historic Preservation Act (16 U.S.C. 470 et seq.) and the Illinois Historic Preservation Act (20 ILCS 3410);
- All areas identified as a critical habitat pursuant to the Endangered Species Act (16 U.S.C. 1531 et seq.) and the Illinois Endangered Species Protection Act [520 ILCS 10];
- All main service corridors, transportation routes, and access roads to the facility;
- All residences and areas in which people congregate within 1/2 mile of the facility boundaries;
- The locations of all on-site potable water supply wells and all potable water supply wells within 1/8 mile of the boundaries of the facility; and
- The types of land use for the properties immediately adjacent to the facility (i.e., residential, commercial, industrial, agricultural, etc.). This must include any zoning classifications of these properties and the location (and function) of all buildings within 1/2 mile of the facility.

**Section 831.108 Site Plan Map**

The application must contain maps or plan sheets showing the location of the facility, on a scale no smaller than one inch equals 200 feet, containing five-foot contour intervals where the relief exceeds 20 feet and a two-foot contour interval where the relief is 20 feet or less, and referenced to a USGS datum. The following information shall be provided:

- The boundaries of the facility;
- The boundaries of the composting area(s);
- The property boundaries, if different;
- The location of all buildings on the property and any other pertinent location data with respect to the operation of the proposed facility (i.e., utilities, water supply, fencing, access roads, paved areas,

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- etc.);
- The location of all staging and stockpiling areas for landscape waste, end-product compost, windrow bulking agents or additives;
- The drainage patterns of the composting facility and surrounding areas. At a minimum, the direction of both on-site and off-site drainage, as well as the location of any ditches, swales, berms or other structures that exist or will be constructed to control runoff and leachate generated by the facility's operation must be identified; and
- Proof that all authorizations, permits, and approvals required from each Bureau of the Agency have been applied for or obtained.

**Section 831.109 Narrative Description of the Facility**

The permit application must contain a written description of the facility with supporting documentation describing the procedures and plans that will be used at the facility to comply with the requirements of this Part and any other applicable Parts of 35 Ill. Adm. Code: Chapter I. Such description must include, but not be limited to, the following information:

- An estimate of the maximum annual volume and peak daily volume of landscape waste the facility will be able to process;
- Proof of the following:
  - The facility includes a setback of at least 200 feet from the nearest potable water supply well;
  - The facility is located outside the boundary of the 10-year floodplain or the site will be floodproofed;
  - The facility is located so as to minimize incompatibility with the character of the surrounding area, including at least a 200 foot setback from any residence and in the case of a facility that is developed or the permitted composting area of which is expanded after November 17, 1991 the composting area is located at least 1/8 mile from the nearest residence (other than a residence located on the same property as the facility).
- The design of the facility will prevent any compost material from being placed within 5 feet of the water table, will adequately control runoff from the site, and will collect and manage any leachate that is generated on the site (Section 39(m) of the Act);
- An operating plan, satisfying the requirements set forth in 35 Ill. Adm. Code 830.206;
- An early detection or groundwater monitoring system design, in accordance with 35 Ill. Adm. Code 830.205(b)(2)(A)(iii);
- A contingency plan, satisfying the requirements set forth in 35 Ill. Adm. Code 830.212;
- Specification of the operating hours of the facility;
- The types of landscape waste that are proposed to be received by the facility;
- Descriptions of the storage areas (including their capacities) that

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will be used to stage the waste before windrowing, to store bulking agent(s) or additives and to store the end-product compost; and

i) Description of personnel training procedures, satisfying the requirements of 35 Ill. Adm. Code 830.210.

**Section 831.110 Legal Description**

The permit application must contain a legal description of the facility boundary. Data supplied by any registered land surveyor contained in the permit application must bear the signature or seal of that registered land surveyor. References are to be included when such data are obtained from published sources.

**Section 831.111 Proof of Land Ownership and Certification**

The permit application must contain a certificate of ownership of the land on which the facility is located or a copy of the lease and its duration. The lease must clearly specify that the property owner authorizes the construction of a composting facility on the leased premises. The operator or property owner shall certify that the Agency will be notified 30 days prior to any changes in property ownership or conditions in the lease affecting the permit area.

**Section 831.112 Closure Plan**

The permit application must contain a written closure plan which contains a description of methods for compliance with all closure requirements in 35 Ill. Adm. Code 830.

**Section 831.113 Financial Assurance**

The permit application must contain methods to ensure financial assurance satisfying the requirements in 35 Ill. Adm. Code 830.Subpart F.

**Section 831.114 Operator-Initiated Modification of an Approved Permit**

- a) To initiate a permit modification authorizing construction, resulting in an increase in capacity or extending the term of the existing permit, the operator shall file a complete permit application, on a form provided by the Agency, demonstrating compliance with all applicable requirements set forth in 35 Ill. Adm. Code 830.
- b) To initiate any other permit modification, the operator shall submit, on a form provided by the Agency, a request for the desired modification. The applicant shall submit all information required pursuant to this Part which pertains to the desired modification.

**Section 831.115 Modification to Obtain Operating Authorization**

Unless otherwise authorized in the facility permit, prior to placing into

## POLLUTION CONTROL BOARD

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service any structure constructed at a facility, the applicant shall obtain an operating authorization as a permit condition. In order to obtain such an operating authorization, the operator shall submit a report documenting that construction has been completed in accordance with the engineering design.

**Section 831.116 Permit Renewal**

- a) The operator shall submit only that information required pursuant to this Part that has changed since the last permit review by the Agency.
- b) The operator shall update any groundwater impact assessment, in accordance with 35 Ill. Adm. Code 830.Appendix A.
- c) The operator shall provide a new cost estimate for closure pursuant to 35 Ill. Adm. Code 830.213 and 35 Ill. Adm. Code 830.Subpart F, based upon the maximum cost of premature final closure in the next permit term.

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1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area.

2) Code Citation: 35 Ill. Adm. Code 218

3) Section Numbers: Adopted Action:  
 218.119 New Section  
 218.120 New Section  
 218.121 Amendment  
 218.125 New Section  
 218.127 New Section  
 218.128 New Section  
 218.129 New Section  
 218.520 Renumber, Amendment  
 218.522 New Section  
 218.523 New Section  
 218.524 New Section  
 219.525 Renumbered  
 218.Appendix C Amendment

4) Statutory Authority: 415 ILCS 5/28.5 and 39.5

5) Effective Date of Amendments: November 15, 1994

6) Does this rulemaking contain an automatic repeal date? No

7) Do these amendments contain incorporations by reference? No

8) Date filed in Board's principal office: Order adopted in R94-16 on October 20, 1994.

9) Notice of Proposal Published in Illinois Register: July 8, 1994, 18 Ill. Reg. 10549

10) Has JCAR issued a Statement of Objections to these rules? No

11) Differences between proposal and final version:

Changes in table of contents and main source note to reflect other adopted amendments to this part.

In table of contents:

Section 218.520 deleted "(Renumbered)" and changed "from" to "for"

Section 218.525 added "(Renumbered)" and deleted knockout

In Section 218.119 changed "0.75" to "0.5", deleted "but less than 11.1 psia", deleted "more than", added "or greater" after capacity and added

"g) Vessels with storage capacity less than 40,000 gallons must comply with Section 218.129(f)." before source note.

In Section 218.120 added "storing VOC in a vessel of 40,000 gallons or greater with a maximum true vapor pressure equal to 0.75 psia but less than 11.1 psia" after operator and deleted "subject to the requirements of

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this Subpart".

In Section 218.120(a)(4) added "respectively" after device.  
 Added Section 218.120(c) "c) Notwithstanding subsection (b) of this section, where an owner or operator can demonstrate that the control device installed on a storage vessel on or before December 31, 1992, was designed to reduce inlet VOM emissions by greater than or equal to 90 percent but less than 95 percent, the control device shall be operated to reduce inlet VOM emission by 90 percent or greater."

Deleted Section 218.127(c)

Section 218.127(d) renumbered to 218.127(c)

In Section 218.128(c)(2) added "0.5 psia or greater but less than 0.75 psia" after is, and deleted "above the cutoff for monitoring but below the cutoff for controls as defined in Section 218.119 of this subpart".

In Section 218.129(f) replaced "Section 218.128 of this Subpart" with "maintaining readily accessible records of the dimensions of the storage vessel and analysis of the capacity of the storage vessel"

In Section 218.520 added "218-525" after 218.520

In Section 218.520(b) added the heading "Combustion Device at a Phthalic Anhydride Air Oxidation Process" and added "subsection" before (a) and before (b)(2)

In Section 218.520(b)(2) added "subsection" before (b) and added "(1)" after (b).

After Section 218.524 added "Section 219.525 Emission Limitations for Air Oxidation Processes(Renumbered)" and source note.

Changed "days of" to "days after"

12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?  
 Yes, and JCAR's verbal recommendations have been incorporated into the text.

13) Will these amendments replace an emergency rule currently in effect? No

14) Are there any other amendments pending on this Part? Yes.

| Section Numbers: | Proposed Action: | Ill. Reg. Citation:                    |
|------------------|------------------|--|
| 218.106          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |
| 218.204          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |
| 218.205          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |
| 218.207          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |
| 218.208          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |
| 218.210          | Amended          | 18 Ill. Reg. 15211<br>October 24, 1994 |



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218.212 New 18 Ill. Reg. 15211  
October 24, 1994

218.213 New 18 Ill. Reg. 15211  
October 24, 1994

218.214 New 18 Ill. Reg. 15211  
October 24, 1994

218.431 New 18 Ill. Reg. 15211  
October 24, 1994

218.432 New 18 Ill. Reg. 15211  
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218.433 New 18 Ill. Reg. 15211  
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218.434 New 18 Ill. Reg. 15211  
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218.435 New 18 Ill. Reg. 15211  
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218.436 New 18 Ill. Reg. 15211  
October 24, 1994

218.686 Amended 18 Ill. Reg. 15211  
October 24, 1994

218.720 New 18 Ill. Reg. 15211  
October 24, 1994

218.722 New 18 Ill. Reg. 15211  
October 24, 1994

218.726 New 18 Ill. Reg. 15211  
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218.727 New 18 Ill. Reg. 15211  
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218.728 New 18 Ill. Reg. 15211  
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218.729 New 18 Ill. Reg. 15211  
October 24, 1994

218.730 New 18 Ill. Reg. 15211  
October 24, 1994

218.966 Amended 18 Ill. Reg. 15211  
October 24, 1994

218.980 Amended 18 Ill. Reg. 15211  
October 24, 1994

218. Appendix G New 18 Ill. Reg. 15211  
October 24, 1994

218. Appendix H New 18 Ill. Reg. 15211  
October 24, 1994

## 15) Summary and Purpose of Amendments:

This rulemaking proposes amendments to two Subparts of 35 Ill. Adm. Code 218 pursuant to the Rate of Progress plan submitted to USEPA November 15, 1993, as required by the Clean Air Act as amended in 1990. This rulemaking will affect those businesses that engage in storage of volatile organic liquid or that have air oxidation processes. The amendments to

Subpart B, Organic Emissions from Loading and Storage Operations, reflect proposed federal guidance in this industrial category. The changes to Subpart V, Air Oxidation Processes, propose more stringent control standards for this industrial process.

A more detailed description is contained in the Board's opinion of October 20, 1994, in R94-16, which opinion is available from the address below.

16) Information and questions regarding this adopted amendment shall be directed to:

Diane F. O'Neill  
Attorney  
Illinois Pollution Control Board  
100 W. Randolph 11-500  
Chicago, IL 60601  
312/814-6062

The full text of the adopted amendments begins on the next page:

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## TITLE 35: ENVIRONMENTAL PROTECTION

## SUBTITLE B: AIR POLLUTION

## CHAPTER I: POLLUTION CONTROL BOARD

## SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

## PART 218

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS  
FOR THE CHICAGO AREA

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| 218.103 | Applicability  |
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AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act (415 ILCS 5/10 and 28.5).

SOURCE: Adopted in R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective September 27, 1993; amended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994; amended in R94-12 at 18 Ill. Reg. 14973, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16992, effective OCT 25 1994; amended in R94-16 at 18 Ill. Reg. 16950, effective NOV 15 1994.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets; and SUM means the summation series or sigma function as used in mathematics.

## SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

## Section 218.119 Applicability for VOL

The limitations of Section 218.120 of this Subpart shall apply to all storage containers of volatile organic liquid (VOL) with a maximum true vapor pressure of 0.5 psia or greater in any stationary tank, reservoir, or other container of 151 cubic meters (40,000 gal) capacity or greater, except to vessels as provided below:

- Vessels with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true pressure of less than 0.5 psia;
- Vessels of coke oven by-product plants;
- Pressure vessels designed to operate in excess of 29.4 psia and without emissions to the atmosphere;
- Vessels permanently attached to mobile vehicles such as trucks, rail cars, barges, or ships;
- Vessels storing petroleum liquids; or

- Vessels used to store beverage alcohol.
- Vessels with storage capacity less than 40,000 gallons must comply with Section 218.129(f).

(Source: Added at 18 Ill. Reg. 16950, effective NOV 15 1994)

## Section 218.120 Control Requirements for Storage Containers of VOL

a) Every owner or operator storing VOL in a vessel of 40,000 gallons or greater with a maximum true vapor pressure equal to 0.75 psia but less than 11.1 psia shall reduce VOM emissions from storage tanks, reservoirs, or other containers as follows:

- Each fixed roof tank shall be equipped with an internal floating roof that meets the following specifications or that is equipped with a vapor control system that meets the specifications contained in subsection (a)(4) below:

A) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

B) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

- A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank;
  - Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but it must be elastomeric or
  - A mechanical shoe seal which is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible sealed fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- C) Each opening in a roof that is internal floating roof, except for automatic bleeder vents, vapor breakers, and the

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rim space vents is to provide a projection below the liquid surface.

- D) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- E) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- F) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- G) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- H) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- 2) During the next scheduled tank cleaning or before March 15, 2004, whichever comes first, each internal floating roof tank shall meet the specifications set forth in subsections (a)(1)(A) through (H) above.
- 3) Each external floating roof tank shall meet the following specifications:
- A) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device is to consist of two seals, one above the other. The lower seal is referred to as the Primary seal, and the upper seal is referred to as the secondary seal.
- i) Except as provided in Section 218.127(b)(4) of this Subpart, the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall and shall be either a liquid mounted seal or a shoe seal.
- ii) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in Section 218.127(b)(4) of this Subpart.
- iii) The tank shall be equipped with the closure device after the next scheduled tank cleaning, but no later than March 15, 2004.
- B) Except for automatic bleeder vents and rim space vents, each

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opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.

- C) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.
- 4) A closed vent system and control device respectively shall meet the following specifications:
- A) The closed vent system shall be designed to collect all VOM vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined by the methods specified in 40 CFR 60.485(c), incorporated by reference at Section 218.112(d) of this Part.
- B) The control device shall be designed and operated to reduce inlet VOM emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements of 40 CFR 60.18, incorporated by reference at Section 218.112(d) of this Part.
- 5) An alternative emission control plan equivalent to the requirements of subsection (a)(1), (a)(2), (a)(3), or (a)(4) above that has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.
- b) The owner or operator of each storage vessel with a design capacity equal to or greater than 40,000 gallons which contains VOC that, as stored, has a maximum true vapor pressure greater than or equal to 11.1 psia shall equip each storage vessel with a closed vent system and control device as specified in subsection (a)(4) above.
- c) Notwithstanding subsection (b) of this Section, where an owner or operator can demonstrate that the control device installed on a storage vessel on or before December 31, 1992, was designed to reduce



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inlet VOM emissions by greater than or equal to 90 percent but less than 95 percent, the control device shall be operated to reduce inlet VOM emission by 90 percent or greater.

(Source: Added at 18 Ill. Reg. **16950**, effective **NOV 15 1994**)

## Section 218.121 Storage Containers of VPL

No person shall cause or allow the storage of any VOB volatile petroleum liquid (VPL) with a vapor pressure of ~~17.24~~ 10.34 kPa (2.5 1.5 psia) or greater at 294.3° K (70° F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal) capacity unless such tank, reservoir or other container:

- Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss to the atmosphere at all times; or
- Is designed and equipped with one of the following vapor loss control devices:

- A floating roof which rests on the surface of the VOB VPL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOB VPL has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3° K (70° F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.
- A vapor recovery system consisting of:
  - A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and
  - A vapor disposal system capable of processing such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.

- Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 218.108.

(Source: Amended at 18 Ill. Reg. **16950**, effective **NOV 15 1994**)

## Section 218.125 Compliance Dates

Every owner or operator of a VOL or VPL storage vessel subject to the requirements of this Subpart shall comply with the requirements of this Subpart

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in accordance with the compliance schedule specified in the applicable subsection below:

- Every owner or operator of a VPL storage vessel of the type included in Sections 218.121, 218.123 and 218.124 of this Subpart shall have complied with the requirements of Sections 218.121, 218.123 and 218.124 by the date set forth in Section 218.106(a) or (b) of this Part.
- Every owner or operator of a VOL storage vessel of the type identified in Section 218.119 of this Subpart shall comply with the requirements of Section 218.120 of this Subpart as follows:
  - For fixed roof tanks (Section 218.120(a)(1) of this Subpart), March 15, 1996.
  - For internal floating roof tanks (Section 218.120(a)(2) of this Subpart), either during the next scheduled tank cleaning or by March 15, 2004, whichever comes first.
  - For external floating roof tanks (Section 218.120(a)(3) of this Subpart), either during the next scheduled tank cleaning or by March 15, 2004, whichever comes first; and
  - For closed vent system and control device equipped tanks (Section 218.120(a)(4) of this Subpart), by March 15, 1996.

(Source: Added at 18 Ill. Reg. **16953**, effective **NOV 15 1994**)

## Section 218.127 Testing VOL Operations

The owner or operator of each storage vessel specified in Section 218.119 of this Subpart shall comply with the requirements of subsection (a), (b), or (c) below. The applicable subsection for a particular storage vessel depends on the control equipment installed to meet the requirements of this Subpart.

- After installing the control equipment necessary for the source to comply with the requirements of Section 218.120(a)(1) or (2) of this Subpart (permanently affixed roof and internal floating roof), each owner or operator shall:
  - Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.
  - For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or if there is liquid accumulated on the roof, or if the seal is detached, or if there are holes or tears in the seal fabric, the

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owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this subsection cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, the owner or operator may request a 30-day extension from the Agency in the inspection report required in Section 219.123(a)(3) of this Subpart. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the owner or operator will take that will assure that the control equipment will be repaired or the vessel will be emptied within 90 days.

3) For vessels equipped with both primary and secondary seals:

- A) Visually inspect the vessel as specified in subsection (a)(4) below at least every 5 years; or
- B) Visually inspect the vessel as specified in subsection (a)(2) above;

4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal, or if the seal fabric or the secondary seal has holes, tears, or other openings in the seal, or if the seal fabric or the gaskets no longer close off the liquid surfaces from the atmosphere, or if the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this subsection exists before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in subsections (a)(2) and (a)(3)(B) above and at intervals no greater than 5 years in the case of vessels specified in subsection (a)(3)(A) above.

5) Notify the Agency in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by subsections (a)(1) and (a)(4) above to afford the Agency the opportunity to have an observer present. If the inspection required by subsection (a)(4) above is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Agency at least 7 days prior to the refilling.

b) The owner or operator of external floating roof tanks shall:

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1) Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel and between the secondary seal and the wall of the storage vessel.

- A) Measurements of gaps between the tank wall the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days after the initial fill with VOL and at least once every 5 years thereafter.
- B) Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days after the initial fill with VOL and at least once per year thereafter.
- C) If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of subsections (b)(1)(A) and (b)(1)(B) above.

2) Determine gap widths and areas in the primary and secondary seals individually according to the following procedures:

- A) Measure seal gaps, if any, at one or more floating roof levels when the roof is floating off the roof leg supports.
- B) Measure seal gaps around the entire circumference of the tank in each place where a 1/8 inch in diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location; and
- C) Determine the total surface area of each gap described in subsection (b)(2)(B) above by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

3) Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each by the nominal diameter of the tank and compare each ratio to the respective standards in subsection (b)(4) below.

4) Make necessary repairs of empty storage vessel within 45 days after identification in any inspection for seals not meeting the requirements listed in subsections (b)(4)(A) and (B) below:

- A) The accumulated area of gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal shall not exceed 10 in.(2) per foot of tank diameter, and the width of any portion of any gap shall not exceed 1.5 in. There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

B) The secondary seal is to meet the following requirements:

- i) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in subsection (b)(2)(C) above.
- ii) The accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic



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shoe or liquid-mounted primary seal shall not exceed 1.0 in.(2) per foot of tank diameter, and the width of any portion of any gap shall not exceed 0.5 in. There shall be no gaps between the tank wall and the secondary seal when used in combination with a vapor mounted primary seal.

iii) There are to be no holes, tears, or other openings in the seal or seal fabric.

C) If a failure that is detected during inspections required in Section 218.127(b)(1) of this Subpart cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, the owner or operator may request a 30-day extension from the Agency in the inspection report required in Section 218.129(b)(4) of this Subpart. Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

5) Notify the Agency 30 days in advance of any gap measurements required by subsection (b)(1) above to afford the Agency the opportunity to have an observer present.

6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.

A) If the external floating roof has defects, if the primary seal has holes, tears, or other openings in the seal or the seal fabric, or if the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the same as necessary so that none of the conditions specified in this subsection exist before filling or refilling the storage vessel with VOB.

B) For all the inspections required by subsection (b)(6) above, the owner or operator shall notify the Agency in writing at least 30 days prior to filling or refilling of each storage vessel to afford the Agency the opportunity to inspect the storage vessel prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be sent by express mail so that it is received by the Agency at least 7 days prior to the refilling.

C) The owner or operator of each source that is equipped with a closed vent system and a flare to meet the requirements of Section 218.120(a)(4) of this Subpart shall meet the requirements specified in the general control device requirements of 40 CFR 60.18(e) and (f), incorporated by reference at Section 218.112(d) of this Part.

(Source: Added at 18 Ill. Reg. , effective

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## Section 218.128 Monitoring VOB Operations

a) Except as provided in subsection (d) below, the owner or operator of each storage vessel with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall notify the Agency within 30 days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.

b) Available data on the storage temperature may be used to determine the maximum true vapor pressure.

1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

2) For other liquids, the vapor pressure:

A) Determined by ASTM Method D2879-83, incorporated by reference at Section 218.112(a)(1) of this Part;

B) Measured by an appropriate method approved by the Agency and USEPA; or

C) Calculated by an appropriate method approved by the Agency and USEPA.

c) The owner or operator of each vessel storing a mixture of indeterminate or variable composition shall be subject to the following:

1) Prior to the initial filling of the vessel, the maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in subsection (b) above.

2) For vessels in which the vapor pressure of the anticipated liquid composition is 0.5 psia or greater but less than 0.75 psia, an initial physical test of the vapor pressure is required; a physical test at least once every 6 months thereafter is required as determined by the following methods:

A) ASTM Method D2872-83, incorporated by reference at Section 218.112(a)(1) of this Part;

B) ASTM Method D2872-83, incorporated by reference at Section 218.112(a)(1) of this Part; or

C) As measured by an appropriate test approved by the Agency. The owner or operator of each vessel equipped with a closed vent system and a control device meeting the specifications of Section 218.120 of this Subpart is exempt from the requirements specified in (a) and (c) above.

(Source: Added at 18 Ill. Reg. 16950, effective



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## Section 218.129 Recordkeeping and Reporting for VOL Operations

The owner or operator of each storage vessel specified in Section 218.120(a) of this Subpart shall maintain records and furnish reports as required by subsection (a), (b), or (c) below as appropriate for the control equipment installed to meet the requirements of Section 218.120. The owner or operator shall keep copies of all reports and records required by this Section, except for the records required by subsection (c)(1) below, for at least 3 years. The records required by subsection (c)(1) below shall be kept for the life of the control equipment.

a) After installing control equipment in accordance with Section 218.121(a)(1) or (2) of this Subpart (fixed roof and internal floating roof), the owner or operator shall:

1) Furnish the Agency with a report that describes the control equipment and certifies that the control equipment meets the specifications of Section 218.120(a)(1) and 218.127(a)(1) of this Subpart;

2) Keep a record of each inspection performed as required by Section 218.127(a)(1), (a)(2), (a)(3), and (a)(4) of this Subpart. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings);

3) If any of the conditions described in Section 218.127(a)(2) of this Subpart are detected during the annual visual inspection required by Section 218.127(a)(2), report to the Agency within 30 days after the inspection the identity of the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made; and

4) After each inspection required by Section 218.127(a)(3) of this Subpart where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Section 218.127(a)(3)(B) of this Subpart are discovered, report to the Agency within 30 days after the inspection the identity of the storage vessel and the reason it did not meet the specifications of Section 218.120(a)(1) or (2) or Section 218.127(a) of this Subpart, and list each repair made.

b) After installing control equipment in accordance with Section 218.121(a)(3) of this Subpart (external floating roof), the owner or operator shall:

1) Furnish the Agency with a report that describes the control equipment and certifies that the control equipment meets the specifications of Sections 218.120(a)(3) and 218.127(b)(2), (b)(3), and (b)(4) of this Subpart;

2) Within 60 days after performing the seal gap measurements required by Section 218.127(b)(1) of this Subpart, furnish the Agency with a report that contains:

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A) The date of measurement;

B) The raw data obtained in the measurement; and

C) The calculations of this Subpart described in Section 218.127(b)(2) and (b)(3) of this Subpart;

3) Maintain records of each gap measurement performed as required by Section 218.127(b) of this Subpart. Such records shall identify the storage vessel in which the measurement was performed and shall contain:

A) The date of measurement;

B) The raw data obtained in the measurement; and

C) The calculations described in Section 218.127(b)(2) and (b)(3) of this Subpart;

4) After each seal gap measurement that detects gaps exceeding the limitations specified by Section 218.127(b)(4) of this Subpart, submit a report to the Agency within 30 days after the inspection identifying the vessel and containing the information specified in subsection (b)(2) above and the date the vessel was emptied or the repairs were made and the date of repair.

c) After installing control equipment in accordance with Section 218.127(a)(4) or (b)(1) of this Subpart (closed vent system and control device other than a flare), the owner or operator shall maintain the following records:

1) A copy of the operating plan; and

2) The measured values of the parameters monitored in accordance with Section 218.127(c)(2) of this Subpart.

d) After installing a closed vent system and flare to comply with Section 218.127 of this Subpart, the owner or operator shall:

1) Provide the Agency with a report containing the measurements required by 40 CFR 60.18(f)(1), (2), (3), (4), (5), and (6), incorporated by reference at Section 218.112(d) of this Part, within 6 months after the initial start-up date;

2) Maintain records of all periods of operation during which the flare pilot flame is absent; and

3) Report semiannually all periods recorded under 40 CFR 60.115(b)(2), incorporated by reference at Section 218.112(d) of this Part, in which the pilot flame was absent.

e) The owner or operator shall maintain all records required by this Section, except for the records required by subsection (f) below, for at least 3 years. The records required by subsection (f) below shall be kept for the life of the source.

f) The owner or operator of each storage vessel specified in Section 218.119 of this Subpart shall maintain readily accessible records of the dimension of the storage vessel and an analysis of the capacity of the storage vessel. Each storage vessel with a design capacity less than 40,000 gallons is subject to no provisions of this Part other than those required by maintaining readily accessible records of the dimensions of the storage vessel and analysis of the capacity of the storage vessel.

g) Except as provided in Section 218.128(c) and (d) of this Subpart, the

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owner or operator of each storage vessel subject to the requirements in Section 218.120 with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure greater than or equal to 0.5 psia but less than 0.75 psia shall maintain a record of the VOL storage, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period.

(Source: ~~added~~ 18 Ill. Reg. **16950**, effective **NOV 15 1994**)

## SUBPART V: AIR OXIDATION PROCESSES

Section 218.520 ~~218-525~~ **Emission Limitations for Air Oxidation Processes**

a) No person shall cause or allow the emission of VOM from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:

- 1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or
- 2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.

b) Combustion Device at a Phthalic Anhydride Air Oxidation Process

- 1) Notwithstanding subsection (a) above, and subject to subsection (b)(2) below, no person shall cause or allow the emissions of VOM through an existing combustion device at a phthalic anhydride air oxidation process, unless the combustion device is operated to achieve:

- A) 90% control of the volatile organic emissions vented to it; or
- B) VOM emissions concentration of less than 50 parts per million by volume, dry basis.

2) ~~An air-oxidation process-vent-stream-for-which--an Any existing combustion device subject to subsection (b)(1) above is employed to-control-process-VOM-emissions is not required to meet the 98 percent emissions limit until set forth in subsection (a) above either upon replacing the combustion device is-replaced for any other reasons, which--shall-be-considered-to-include including, but not be limited to, normal maintenance, malfunction, accident, and obsolescence, or the date of December 31, 1999, whichever comes first.~~ ~~the A~~ combustion device is considered to be replaced when:

- 1A) All of the device is replaced; or
- 2B) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.

c) The limitations of subsection (a) above shall ~~do-not~~ apply to any process vent stream or combination of process vent streams ~~which--has~~ with a Total Resource Effectiveness Index (TRE) ~~greater~~ less than 1-0

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or equal to 6.0. TRE shall be ~~as~~ determined by the following methods:

- 1) If an air oxidation process has more than one process vent stream, TRE shall be the more stringent of either the TRE based upon a combination of the process vent streams, or the TRE based upon each individual process vent stream.

- 2) The TRE of a process vent stream and the TRE of a combination of process vent streams, whichever is applicable, shall be determined according to the following equation:

$$TRE = E(-1) [a + bF(n) + cF + dFH + e(ExH)(n) + fF(0.5)]$$

where:

$$n = 0.88;$$

TRE = Total resource effectiveness index;

F = Vent stream flowrate (scm/min), at a standard temperature of 20° C;

E = Hourly measured emissions in kg/hr;

H = Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25° C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20° C, as in the definition of "Flow";

a,b,c,

d,e

and f= Coefficients obtained by use of Appendix D.

- 3) For nonchlorinated process vent streams, if the net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by F' for purposes of calculating TRE. F' is computed as follows:

$$F' = FH / 3.6$$

where F and H are as defined in subsection (c)(2) of this Section.

- 4) The actual numerical values used in the equation described in subsection (c)(2) shall be determined as follows:

- A) All reference methods and procedures for determining the flow (F), hourly emissions (E), and net heating (H), value shall be in accordance with Appendix C.
- B) All coefficients described in subsection (c)(2) of this Section shall be in accordance with Appendix D.

(Source: Renumbered from Section 218.525 and amended at 18 Ill. Reg.

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16950, effective NOV 15 1994 )

Section 218.522 Savings Clause

The owner or operator of an air oxidation process with a TRE of 1.0 or less shall have complied with the requirements of Section 218.520(a) of this Subpart by the dates set forth in Section 218.106(a) and (b) of this Part. Sources that are subject to 218.520(b) of this Subpart that become subject to the control requirements of 218.520(a) of this Subpart after the compliance dates set out in 218.106(a) and (b) of this Part shall comply with the timetable set forth within Section 218.520(b).

(Source: Added at 18 Ill. Reg. 16950, effective NOV 15 1994 )

Section 218.523 Compliance

The emissions limitations for air oxidation processes located in Section 218.520(a) of this Subpart are applicable to air oxidation processes on October 25, 1994.

- a) An owner or operator of an air oxidation process with a TRE of 6.0 or less that is subject to the requirements of Section 218.520(a) of this Subpart on October 25, 1994 shall comply with the provisions of Section 218.520(a) by December 31, 1999, or upon startup of the emission unit, whichever comes first. This subsection does not supersede the Savings Clause in Section 218.522 of this Part.
- b) An owner or operator of an air oxidation process that becomes subject to the requirements of Section 218.520(a) of this Subpart after October 25, 1994 shall comply with the requirements of Section 218.520(a) upon startup of the emission unit.

(Source: Added at 18 Ill. Reg. 16950, effective NOV 15 1994 )

Section 218.524 Determination of Applicability

- a) Sources subject to the requirements of Section 218.520(a) of this Subpart either through application of 218.520(c) of this Subpart or through continued application under 218.522 of this Subpart shall continue to be subject to the applicable limitations even if operations change so as to result in a TRE that is above that which initially made the regulation applicable to the source's operations.
- b) Notwithstanding Section 218.520(c) of this Subpart, any air oxidation process that utilizes a combustion device to control process vent streams at any time shall maintain the process in compliance with the provisions of Section 218.520(a) of this Subpart at all times thereafter.

(Source: Added at 18 Ill. Reg. 16950, effective

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Section 218.525 Emission Limitations for Air Oxidation Processes (Renumbered)

(Source: Section 218.525 renumbered to Section 218.520 at 18 Ill. Reg. 16950, effective NOV 15 1994 )



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**Section 218. APPENDIX C Reference Test Methods For Air-Oxidation-Processes and Procedures**

## Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- a) Determination of VOM destruction efficiency for evaluating compliance with the 98 weight percent VOM reduction or 20 ppmv emission limit specified in Sections 215.520 through 215.527 218.527 of this Part; and
- b) Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section 215.105 218.112 of this Part.

## VOM DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections 215.520 218.520 through 215.527 218.527 of this Part.

- a) Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.
- b) Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.
- c) Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.
- d) Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

## TRE DETERMINATION

The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.

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- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211.122 211.350, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.

- b) The molar composition of the vent stream shall be determined using the following methods:

- 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
- 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215.105 218.112 of this Part, to measure the concentration of carbon monoxide and hydrogen.
- 3) Reference Method 4 to measure the content of water vapor, if necessary.

- c) The volumetric flowrate shall be determined using Reference Method 2, 2A, 2C or 2D, as appropriate.
- d) The net heating value of the vent stream shall be calculated using the following equation:

$$H = \sum_{i=1}^n K C(i)H(i)$$

where:

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H = Net heating value of the sample, MJ/ppm, where the net enthalpy per mole of offgas is based on combustion at 25° C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20° C, as in the definition of F (vent stream flowrate) below

K = Constant,  $1.740 \times 10^{-7}$  (1/ppm) (mole/scm) (MJ/kcal) where standard temperature for mole/scm is 20° C

C(i) = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215-105 218.112 of this Part.

H(i) = Net heat of combustion of sample component i, kcal/mole based on combustion at 25° C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D2382-76, incorporated by reference in Section 215-105 218.112 of this Part.

e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = \sum_{i=1}^n K F \text{ C}_i \text{ V}_i$$

where:

E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr;

K = Constant  $2.494 \times 10^{-6}$  (1/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20° C;

M<sub>i</sub> = Molecular weight of sample component i (g/mole)

F = Vent stream flowrate (scm/min), at a standard temperature of 20° C.

f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

(Source: Amended at 18 Ill. Reg. 16950, effective NOV 15 1994)

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- 1) Heading of the Part: Organic Material Emission Standards and Limitations for Metro East Area.

- 2) Code Citation: 35 Ill. Adm. Code 219

- 3) Section Numbers: Adopted Action:

219.119 New Section  
 219.120 New Section  
 219.121 Amendment  
 219.125 New Section  
 219.127 New Section  
 219.128 New Section  
 219.129 New Section  
 219.129 Renumber, Amendment  
 219.520 New Section  
 219.523 New Section  
 219.524 New Section  
 219.525 Renumbered  
 219. Appendix C Amendment

- 4) Statutory Authority: 415 ILCS 5/28.5 and 39.5

- 5) Effective Date of Amendments: November 15, 1994

- 6) Does this rulemaking contain an automatic repeal date? No

- 7) Do these amendments contain incorporations by reference? No

- 8) Date filed in Board's principal office: Order adopted in R94-16 on October 20, 1994.

- 9) Notice of Proposal Published in Illinois Register:

July 8, 1994, 18 Ill. Reg. 10584

- 10) Has JCAR issued a Statement of Objections to these rules? No

- 11) Differences between proposal and final version:

Changes in table of contents and main source note to reflect other adopted amendments to this part.

In table of contents:

Section 219.520 deleted "(Renumbered)" and changed "from" to "for"

Section 219.525 added "(Renumbered)" and deleted strikeout

In Section 219.119 changed "0.75" to "0.5", deleted "but less than 11.1 psia", deleted "more than", added "or greater" after capacity and added "g) Vessels with storage capacity less than 40,000 gallons must comply

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with Section 219.129(f)." before source note.

In Section 219.120 added "storing VOL in a vessel of 40,000 gallons or greater with a maximum true vapor pressure equal to 0.75 psia but less than 11.1 psia" after operator and deleted "subject to the requirements of this Subpart".

In Section 219.120(a)(4) added "respectively" after device.

Added Section 219.120(c) "c) Notwithstanding subsection (b) of this section, where an owner or operator can demonstrate that the control device installed on a storage vessel on or before December 31, 1992, was designed to reduce inlet VOM emissions by greater than or equal to 90 percent but less than 95 percent, the control device shall be operated to reduce inlet VOM emission by 90 percent or greater."

Deleted Section 219.127(c)

Section 219.127(d) renumbered to 219.127(c)

In Section 219.128(c)(2) added "0.5 psia or greater but less than 0.75 psia" after is, and deleted "above the cutoff for monitoring but below the cutoff for controls as defined in Section 219.119 of this subpart".

In Section 219.129(f) replaced "Section 219.128 of this Subpart" with "maintaining readily accessible records of the dimensions of the storage vessel and analysis of the capacity of the storage vessel"

In Section 219.520 added "219-525" after 219.520

In Section 219.520(b) added the heading "Combustion Device at a Phthalic Anhydride Air Oxidation Process" and added "subsection" before (a) and before (b)(2)

In Section 219.520(b)(2) added "subsection" before (b) and added "(1)" after (b).

After Section 219.524 added "Section 219.525 Emission Limitations for Air Oxidation Processes(Renumbered)" and source note.

Changed "days of" to "days after"

- 12) Have all the changes agreed upon by the Board and JCAR been made as indicated in the agreement letter issued by JCAR?

Yes, and JCAR's verbal recommendations have been incorporated into the text.

- 13) Will these amendments replace an emergency rule currently in effect? No





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## TITLE 35: ENVIRONMENTAL PROTECTION

## SUBTITLE B: AIR POLLUTION

## CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS  
FOR STATIONARY SOURCES

## PART 213

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS  
FOR THE METRO EAST AREA

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AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act [415 ILCS 5/10 and 28.5].

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in

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R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective NOV 15 1994, amended in R94-16 at 18 Ill. Reg. 16980, effective NOV 15 1994.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

NOTE: In this Part superscript numbers or letters are denoted by parentheses, subscript are denoted by brackets; and SUM means the summation series or sigma function as used in mathematics.

## SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

## Section 219.119 Applicability for VOL

The limitations of Section 219.120 of this Subpart shall apply to all storage containers of volatile organic liquid (VOL) with a maximum true vapor pressure of 0.5 psia or greater in any stationary tank, reservoir, or other container of 151 cubic meters (40,000 gal) capacity or greater, except to vessels as provided below:

- a) Vessels with a capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true pressure of less than 0.5 psia;
- b) Vessels of coke oven  $\gamma$ -product plants;
- c) Pressure vessels designed to operate in excess of 29.4 psia and without emissions to the atmosphere;
- d) Vessels permanently attached to mobile vehicles such as trucks, rail cars, barges, or ships;
- e) Vessels storing petroleum liquids; or
- f) Vessels used to store beverage alcohol.
- g) Vessels with storage capacity less than 40,000 gallons must comply with Section 218.129(f).

(Source: Added at 18 Ill. Reg. 16980, effective NOV 15 1994.)

## Section 219.120 Control Requirements for Storage Containers of VOL

- a) Every owner or operator storing VOL in a vessel of 40,000 gallons or greater with a maximum true vapor pressure equal to 0.75 psia but less than 11.1 psia shall reduce VOM emissions from storage tanks, reservoirs, or other containers as follows:

- 1) Each fixed roof tank shall be equipped with an internal floating roof that meets the following specifications or that is equipped with a vapor control system that meets the specifications

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contained in subsection (a)(4) below:

- A) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- B) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
  - i) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank;
  - ii) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous; or
  - iii) A mechanical shoe seal, which is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- C) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
- D) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- E) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- F) Rim space vents shall be equipped with a gasket and are to



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be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

G) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

H) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

2) During the next scheduled tank cleaning or before March 15, 2004, whichever comes first, each internal floating roof tank shall meet the specifications set forth in subsections (a)(1)(A) through (H) above.

3) Each external floating roof tank shall meet the following specifications:

A) Each external floating roof shall be equipped with a closure device between the wall of the storage vessel and the roof edge. The closure device is to consist of two seals, one above the other. The lower seal is referred to as the primary seal, and the upper seal is referred to as the secondary seal.

i) Except as provided in Section 219.127(b)(4) of this Subpart, the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall and shall be either a liquid mounted seal or a shoe seal.

ii) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in Section 219.127(b)(4) of this Subpart.

iii) The tank shall be equipped with the closure device after the next scheduled tank cleaning, but no later than March 15, 2004.

B) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof is to be equipped with a gasketed cover, seal, or lid that is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Automotive bleeder vents and rim space vents are to be gasketed. Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.

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C) The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.

4) A closed vent system and control device respectively shall meet the following specifications:

A) The closed vent system shall be designed to collect all VOM vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined by the methods specified in 40 CFR 60.485(c), incorporated by reference at Section 219.112(d) of this Part.

B) The control device shall be designed and operated to reduce inlet VOM emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements of 40 CFR 60.18, incorporated by reference at Section 219.112(d) of this Part.

5) An alternative emission control plan equivalent to the requirements of subsection (a)(1), (a)(2), (a)(3), or (a)(4) above that has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.

b) The owner or operator of each storage vessel with a design capacity equal to or greater than 40,000 gallons which contains VOL that, as stored, has a maximum true vapor pressure greater than or equal to 11.1 psia shall equip each storage vessel with a closed vent system and control device as specified in subsection (a)(4) above.

c) Notwithstanding subsection (b) of this Section, where an owner or operator can demonstrate that the control device installed on a storage vessel on or before December 31, 1992, was designed to reduce inlet VOM emissions by greater than or equal to 90 percent but less than 95 percent, the control device shall be operated to reduce inlet VOM emission by 90 percent or greater.

(Source: Added at 18 Ill. Reg. **16980**, effective **NOV 15 1994**)

## Section 219.121 Storage Containers of VPL

No person shall cause or allow the storage of any 40B volatile petroleum liquid (VPL) with a vapor pressure of 17.24 10.14 kPa (2.5 1.5 psia) or greater at 294.3° K (70°F) or any gaseous organic material in any stationary tank, reservoir or other container of more than 151 cubic meters (40,000 gal.) capacity unless such tank, reservoir or other container:

a) Is a pressure tank capable of withstanding the vapor pressure of such liquid or the pressure of the gas, so as to prevent vapor or gas loss



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to the atmosphere at all times; or  
 b) Is designed and equipped with one of the following vapor loss control devices:

1) A floating roof which rests on the surface of the VOL and is equipped with a closure seal or seals between the roof edge and the tank wall. Such floating roof shall not be permitted if the VOL has a vapor pressure of 86.19 kPa (12.5 psia) or greater at 294.3° K (70° F). No person shall cause or allow the emission of air contaminants into the atmosphere from any gauging or sampling devices attached to such tanks, except during sampling or maintenance operations.

2) A vapor recovery system consisting of:

A) A vapor gathering system capable of collecting 85% or more of the uncontrolled VOM that would be otherwise emitted to the atmosphere; and

B) A vapor disposal system capable of processing such VOM so as to prevent its emission to the atmosphere. No person shall cause or allow the emission of a air contaminants into the atmosphere from any gauging or sampling devices attached to such tank, reservoir or other container except during sampling.

3) Other equipment or means of equal efficiency approved by the Agency according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with Section 219.108 of this Part.

(Source: Amended at 18 Ill. Reg. 16980, effective NOV 15 1994)

## Section 219.125 Compliance Dates

Every owner or operator of a VOL or VPL storage vessel subject to the requirements of this Subpart shall comply with the requirements of this Subpart in accordance with the compliance schedule specified in the applicable subsection below:

a) Every owner or operator of a VPL storage vessel of the type included in Sections 219.121, 219.123 and 219.124 of this Subpart shall have complied with the requirements of Sections 219.121, 219.123 and 219.124 by the date set forth in Section 219.106(a) or (b) of this Part.

b) Every owner or operator of a VOL storage vessel of the type identified in Section 219.119 of this Subpart shall comply with the requirements of Section 219.120 of this Subpart as follows:

1) For fixed roof tanks (Section 219.120(a)(1) of this Subpart), by March 15, 1996.

2) For internal floating roof tanks (Section 219.120(a)(2) of this Subpart), either during the next scheduled tank cleaning or by March 15, 2004, whichever comes first;

3) For external floating roof tanks (Section 219.120(a)(3) of this Subpart), either during the next scheduled tank cleaning or by

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March 15, 2004, whichever comes first; and

4) For closed vent system and control device equipped tanks (Section 219.120(a)(4) of this Subpart), by March 15, 1996.

(Source: Added at 18 Ill. Reg. 16980, effective NOV 15 1994)

## Section 219.127 Testing VOL Operations

The owner or operator of each storage vessel specified in Section 219.119 of this Subpart shall comply with the requirements of subsection (a), (b), or (c) below. The applicable subsection for a particular storage vessel depends on the control equipment installed to meet the requirements of this Subpart.

a) After installing the control equipment necessary for the source to comply with the requirements of Section 219.120(a)(1) or (2) of this Subpart (permanently affixed roof and internal floating roof), each owner or operator shall:

1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

2) For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or if there is liquid accumulated on the roof, or if the seal is detached, or if there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this subsection cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, the owner or operator may request a 30-day extension from the Agency in the inspection report required in Section 219.123(a)(3) of this Subpart. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the owner or operator will take that will assure that the control equipment will be repaired or the vessel will be emptied within 30 days.

3) For vessels equipped with both primary and secondary seals:

A) Visually inspect the vessel as specified in subsection (a)(4) below at least every 5 years; or

B) Visually inspect the vessel as specified in subsection (a)(2) above.

4) Visually inspect the internal floating roof, the primary seal,

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the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal, or if the seal fabric or the secondary seal has holes, tears, or other openings in the seal, or if the seal fabric or the gaskets no longer close off the liquid surfaces from the atmosphere, or if the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this subsection exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels subject to the annual visual inspection as specified in subsections (a)(2) and (a)(3)(B) above and at intervals no greater than 5 years in the case of vessels specified in subsection (a)(3)(A) above.

5) Notify the Agency in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by subsections (a)(1) and (a)(4) above to afford the Agency the opportunity to have an observer present. If the inspection required by subsection (a)(4) above is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Agency at least 7 days prior to the refilling.

b) The owner or operator of external floating roof tanks shall:

1) Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel and between the secondary seal and the wall of the storage vessel.

A) Measurements of gaps between the tank wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days after the initial fill with VOL and at least once every 5 years thereafter.

B) Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days after the initial fill with VOL and at least once per year thereafter.

C) If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of subsections (b)(1)(A) and (b)(1)(B) above.

2) Determine gap widths and areas in the primary and secondary seals individually according to the following procedures:

A) Measure seal gaps, if any, at one or more floating roof

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levels when the roof is floating off the roof leg supports: Measure seal gaps around the entire circumference of the tank in each place where a 1/8 inch in diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the storage vessel and measure the circumferential distance of each such location; and

C) Determine the total surface area of each gap described in subsection (b)(2)(B) above by using probes of various widths to measure accurately the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.

3) Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each by the nominal diameter of the tank and compare each ratio to the respective standards in subsection (b)(4) below.

4) Make necessary repairs or empty the storage vessel within 15 days after identification in any inspection for seals not meeting the requirements listed in subsections (b)(4)(A) and (B) below:

A) The accumulated area of gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal shall not exceed 10 in.(2) per foot of tank diameter, and the width of any portion of any gap shall not exceed 1.5 in. There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.

B) The secondary seal is to meet the following requirements:

i) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in subsection (b)(2)(C) above.

ii) The accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed 1.0 in.(2) per foot of tank diameter, and the width of any portion of any gap shall not exceed 0.5 in. There shall be no gaps between the tank wall and the secondary seal when used in combination with vapor mounted primary seal.

iii) There are to be no holes, tears, or other openings in the seal or seal fabric.

C) If a failure that is detected during inspections required in Section 219.127(b)(1) of this Subpart cannot be repaired within 15 days and if the vessel cannot be emptied within 15 days, the owner or operator may request a 30-day extension from the Agency in the inspection report required in Section 219.129(b)(4) of this Subpart. Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the



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vessel will be emptied as soon as possible.

- 5) Notify the Agency 30 days in advance of any gap measurements required by subsection (b)(1) above to afford the Agency the opportunity to have an observer present.
- 6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed.

A) If the external floating roof has defects, if the primary seal has holes, tears, or other openings in the seal or the seal fabric, or if the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the items as necessary so that none of the conditions specified in this subsection exist before filling or refilling the storage vessel with VOL.

B) For all the inspections required by subsection (b)(6) above, the owner or operator shall notify the Agency in writing at least 30 days prior to the filling or refilling of each storage vessel to afford the Agency the opportunity to inspect the storage vessel prior to refilling. If the inspection required by subsection (b)(6) above is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Agency at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be sent by express mail so that it is received by the Agency at least 7 days prior to the refilling.

- C) The owner or operator of each source that is equipped with a closed vent system and a flare to meet the requirements of Section 219.120(a)(4) of this Subpart shall meet the requirements specified in the general control device requirements of 40 CFR 60.18(e) and (f), incorporated by reference at Section 219.112(d) of this Part.

(Source: Added at 18 Ill. Reg. 16980, effective NOV 15 1994)

## Section 219.128 Monitoring VOL Operations

- a) Except as provided in subsection (d) below, the owner or operator of each storage vessel with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall notify the Agency within 30 days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.
- b) Available data on the storage temperature may be used to determine the maximum true vapor pressure.

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- 1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

2) For other liquids, the vapor pressure:

- A) Determined by ASTM Method D2879-83, incorporated by reference at Section 219.112(a)(1) of this Part;
- B) Measured by an appropriate method approved by the Agency and USEPA; or
- C) Calculated by an appropriate method approved by the Agency and USEPA.

C) The owner or operator of each vessel storing a mixture of indeterminate or variable composition shall be subject to the following:

- 1) Prior to the initial filling of the vessel, the maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in subsection (b) above.

2) For vessels in which the vapor pressure of the anticipated liquid composition is 0.5 psia or greater but less than 0.75 psia, an initial physical test of the vapor pressure is required; a physical test at least once every 6 months thereafter is required as determined by the following methods:

- A) ASTM Method D2879-83, incorporated by reference at Section 219.112(a)(1) of this Part;
- B) ASTM Method D323-82, incorporated by reference at Section 219.112(a)(25) of this Part; or

d) The owner or operator of each vessel equipped with a closed vent system and control device meeting the specifications of Section 219.120 of this Subpart is exempt from the requirements of subsections (a) and (b) above.

(Source: Added at 18 Ill. Reg. 16980, effective NOV 15 1994)

## Section 219.129 Recordkeeping and Reporting for VOL Operations

The owner or operator of each storage vessel specified in Section 219.120(a) of this Subpart shall maintain records and furnish reports as required by subsection (a), (b), or (c) below as appropriate for the control equipment installed to meet the requirements of Section 219.120. The owner or operator shall keep copies of all reports and records required by this Section, except for the records required by subsection (c)(1) below, for at least 3 years. The records required by subsection (c)(1) below shall be kept for the life of the control equipment.



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- a) After installing control equipment in accordance with Section 219.120(a)(1) or (2) of this Subpart (fixed roof and internal floating roof), the owner or operator shall:
- 1) Furnish the Agency with a report that describes the control equipment and certifies that the control equipment meets the specifications of Sections 219.120(a)(1) and 219.127(a)(1) of this Subpart;
  - 2) Keep a record of each inspection performed as required by Section 219.127(a)(1), (a)(2), (a)(3), and (a)(4) of this Subpart. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings);
  - 3) If any of the conditions described in Section 219.127(a)(2) of this Subpart are detected during the annual visual inspection required by Section 219.127(a)(2), report to the Agency within 30 days after the inspection the identity of the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made; and
  - 4) After each inspection required by Section 219.127(a)(3) of this Subpart where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment are listed in Section 219.127(a)(3)(B) of this Subpart are discovered, report to the Agency within 30 days after the inspection the identity of the storage vessel and the reason it did not meet the specifications of Section 219.120(a)(1) or (2) or Section 219.127(a) of this Subpart, and list each repair made.
- b) After installing control equipment in accordance with Section 219.120(a)(3) of this Subpart (external floating roof), the owner or operator shall:
- 1) Furnish the Agency with a report that describes the control equipment and certifies that the control equipment meets the specifications of Sections 219.120(a)(3) and 219.127(b)(2), (b)(3), and (b)(4) of this Subpart;
  - 2) Within 60 days after performing the seal gap measurements required by Section 219.127(b)(1) of this Subpart, furnish the Agency with a report that contains:
    - A) The date of measurement;
    - B) The raw data obtained in the measurement; and
    - C) The calculations of this Subpart described in Section 219.127(b)(2) and (b)(3) of this Subpart;
  - 3) Maintain records of each gap measurement performed as required by Section 219.127(b) of this Subpart. Such records shall identify the storage vessel in which the measurement was performed and shall contain:
    - A) the date of measurement;
    - B) The raw data obtained in the measurement; and
    - C) The calculations described in Section 219.127(b)(2) and (b)(3) of this Subpart;

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- 4) After each seal gap measurement that detects gaps exceeding the limitations specified by Section 219.127(b)(4) of this Subpart, submit a report to the Agency within 30 days after the inspection identifying the vessel and containing the information specified in subsection (b)(2) above and the date the vessel was emptied or the repairs were made and the date of repair.
  - c) After installing control equipment in accordance with Section 219.127(a)(4) or (b)(1) of this Subpart (closed vent system and control device other than a flare), the owner or operator shall maintain the following records:
    - 1) A copy of the operating plan; and
    - 2) The measured values of the parameters monitored in accordance with Section 219.127(c)(2) of this Subpart.
  - d) After installing a closed vent system and flare to comply with Section 219.127 of this Subpart, the owner or operator shall:
    - 1) Provide the Agency with a report containing the measurements required by 40 CFR 60.18(f)(1), (2), (3), (4), (5), and (6), incorporated by reference at Section 219.112(d) of this Part, within 6 months after the initial start-up date;
    - 2) Maintain records of all periods of operation during which the flare pilot flame is absent; and
    - 3) Report semiannually all periods recorded under 40 CFR 60.115b(d)(2), incorporated by reference at Section 219.112(d) of this Part, in which the pilot flame was absent.
  - e) The owner or operator shall maintain all records required by this Section, except for the records required by subsection (f) below, for at least 3 years. The records required by subsection (f) below shall be kept for the life of the source.
  - f) The owner or operator of each storage vessel specified in Section 219.119 of this Subpart shall maintain readily accessible records of the dimension of the storage vessel and an analysis of the capacity of the storage vessel. Each storage vessel with a design capacity less than 40,000 gallons is subject to no provision of this Part other than those required by maintaining readily accessible records of the dimensions of the storage vessel and analysis of the capacity of the storage vessel.
  - g) Except as provided in Section 219.128(c) and (d) of this Subpart, the owner or operator of each storage vessel subject to the requirements in Section 219.120 with a design capacity greater than or equal to 40,000 gallons storing a liquid with a maximum true vapor pressure greater than or equal to 0.5 psia but less than 0.75 psia shall maintain a record of the VOL storage, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period.
- (Source: Added 18 Ill. Reg. **16980**, effective **NOV 15 1994**)

Section 219.520 219-525 Emission Limitations for Air Oxidation Processes

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a) No person shall cause or allow the emission of volatile organic material (VOM) from any process vent stream unless the process vent stream is vented to a combustion device which is designed and operated either:

- 1) To reduce the volatile organic emissions vented to it with an efficiency of at least ninety eight percent (98%) by weight; or
- 2) To emit VOM at a concentration less than twenty parts per million by volume, dry basis.

b) Combustion Device at a Phthalic Anhydride Air Oxidation Process

1) Notwithstanding subsection (a) above, and subject to subsection (b)(2) below, no person shall cause or allow the emissions of VOM through an existing combustion device at a phthalic anhydride air oxidation process, unless the combustion device is operated to achieve:

- A) 90% control of the volatile organic emissions vented to it; or
- B) VOM emissions concentration of less than 50 parts per million by volume, dry basis.

2) ~~A--air--oxidation--process--vent-system-for-which-an~~ Any existing combustion device subject to subsection (b)(1) above ~~is--employed to--control--process-VOM-emissions is not required to meet the 98 percent emissions limit until set forth in subsection (a) above either upon replacing the combustion device is--replaced for any other reason, including which--shall-be--considered--to--include, but not be limited to, normal maintenance, malfunction, accident, and obsolescence, or the date of December 31, 1999, whichever comes first. The A~~ combustion device is considered to be replaced when:

- 1A) All of the device is replaced; or
- 2B) When the cost of the repair of the device or the cost of replacement of part of the device exceeds 50% of the cost of replacing the entire device with a device which complies.

c) The limitations of subsection (a) above shall ~~do--not~~ apply to any process vent stream or combination of process vent streams ~~which has~~ with a Total Resource Effectiveness Index (TRE) ~~greater~~ less than ~~1.0~~ or equal to 6.0. TRE shall be ~~as~~ determined by the following methods:

- 1) If an air oxidation process has more than one process vent stream, the TRE shall be the more stringent of either the TRE based upon a combination of the process vent streams; or the TRE based upon each individual process vent stream.

2) The TRE of a process vent stream and the TRE of a combination of process vent streams, whichever is applicable, shall be determined according to the following equation:

$$TRE = E(-1)[a + bF(n) + cF + dFH + e(FH)(n) + fF(0.5)]$$

where:

$$n = 0.88;$$

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TRE = Total resource effectiveness index;  
F = Vent stream flowrate (scm/min), at a standard temperature of 20° C;

E = Hourly measured emissions in kg/hr;

H = Net heating value of vent stream (MJ/scm), where the net enthalpy per mole of offgas is based on combustion at 25° C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20° C, as in the definition of "Flow";

a,b,c,d,

e and f= Coefficients obtained by use of Appendix D.

3) For nonchlorinated process vent streams, if the net heating value, H, is greater than 3.6 MJ/scm, F shall be replaced by F' for purposes of calculating TRE. F' is computed as follows:

$$F' = FH / 3.6$$

where F and H are as defined in subsection (c)(2).

4) The actual numerical values used in the equation described in subsection (c)(2) shall be determined as follows:

A) All reference methods and procedures for determining the flow (F), hourly emissions (E), and net heating (H), value shall be in accordance with Appendix C.

B) All coefficients described in subsection (c)(2) of this Section shall be in accordance with Appendix D.

(Source: Section 219.520 renumbered from Section 218.525 and amended at 18 Ill. Reg. **16980**, effective **NOV 15 1994**)

## Section 219.522 Savings Clause

The owner or operator of an air oxidation process with a TRE of 1.0 or less shall have complied with the requirements of Section 219.520(a) of this Subpart by the dates set forth in Section 219.106(a) and (b) of this Part. Sources that are subject to 219.520(b) of this Subpart that become subject to the control requirements of 219.520(a) of this Subpart after the compliance dates set out in 219.106(a) and (b) of this Part shall comply with the timetable set forth within Section 219.520(b).

(Source: Added at 18 Ill. Reg. **16980**, effective **NOV 15 1994**)

## Section 219.523 Compliance

The emissions limitations for air oxidation processes located in Section 219.520 (a) of this Subpart are applicable to air oxidation processes on October 25, 1994.



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- a) An owner or operator of an air oxidation process with a TRE of 6.0 or less that is subject to the requirements of Section 219.520(a) of this Subpart on October 25, 1994 shall comply with the provisions of Section 219.520(a) by December 31, 1999, or upon startup of the emission unit, whichever comes first. This subsection does not supersede the Savings Clause in Section 219.522 of this Part.
- b) An owner or operator of an air oxidation process that becomes subject to the requirements of Section 219.520(a) of this Subpart after October 25, 1994 shall comply with the requirements of Section 219.520(a) upon startup of the emission unit.

(Source: Added at 18 Ill. Reg. **16980**, effective  
NOV 15 1994 )

Section 219.524 Determination of Applicability

- a) Sources subject to the requirements of Section 219.520(a) of this Subpart either through application of 219.520(c) of this Subpart or through continued application under 219.522 of this Subpart shall continue to be subject to the applicable limitations even if operations change so as to result in a TRE that is above that which initially made the regulation applicable to the source's operations.
- b) Notwithstanding Section 219.520(c) of this Subpart, any air oxidation process that utilizes a combustion device to control process vent streams at any time shall maintain the process in compliance with the provisions of Section 219.520(a) of this Subpart at all times thereafter.

(Source: Added at 18 Ill. Reg. **16980**, effective  
NOV 15 1994 )

Section 219.525 Emission Limitations for Air Oxidation Processes (Renumbered)

(Source: Section 219.525 renumbered, Section 219.520 at 18 Ill. Reg.  
**16980**, effective NOV 15 1994 )

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Section 219. APPENDIX C Reference Test Methods For Air Oxidation Processes and Procedures

## Introduction

This Appendix presents the reference methods and procedures required for implementing Reasonably Available Control Technology (RACT). Methods and procedures are identified for two types of RACT implementation:

- Determination of VOM destruction efficiency for evaluating compliance with the 98 weight percent VOM reduction or 20 ppmv emission limit specified in Sections ~~215-520~~ 219.520 through ~~215-527~~ 219.527 of this Part; and
- Determination of offgas flowrate, hourly emissions and stream net heating value for calculating TRE.

All reference methods identified in this Appendix refer to the reference methods specified at 40 CFR 60, Appendix A, incorporated by reference in Section ~~215-195~~ 219.112 of this Part.

## VOM DESTRUCTION EFFICIENCY DETERMINATION

The following reference methods and procedures are required for determining compliance with the percent destruction efficiency specified in Sections ~~215-520~~ 219.520 through ~~215-527~~ 219.527 of this Part.

- Reference Method 1 or 1A for selection of the sampling site. The control device inlet sampling site for determination of vent stream molar composition or total organic compound destruction efficiency shall be prior to the inlet of any control device and after all recovery devices.
- Reference Methods 2, 2A, 2C or 2D for determination of the volumetric flowrate.
- Reference Method 3 to measure oxygen concentration of the air dilution correction. The emission sample shall be corrected to 3 percent oxygen.
- Reference Method 18 to determine the concentration of total organic compounds (minus methane and ethane) in the control device outlet and total organic compound reduction efficiency of the control device.

## TRE DETERMINATION

The following reference methods and procedures are required for determining the offgas flowrate, hourly emissions, and the net heating value of the gas combusted to calculate the vent stream TRE.



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- a) Reference Method 1 or 1A for selection of the sampling site. The sampling site for the vent stream flowrate and molar composition determination prescribed in (b) and (c) shall be prior to the inlet of any combustion device, prior to any post-reactor dilution of the stream with air and prior to any post-reactor introduction of halogenated compounds into the vent stream. Subject to the preceding restrictions on the sampling site, it shall be after the final recovery device. If any gas stream other than the air oxidation vent stream is normally conducted through the recovery system of the affected facility, such stream shall be rerouted or turned off while the vent stream is sampled, but shall be routed normally prior to the measuring of the initial value of the monitored parameters for determining compliance with the recommended RACT. If the air oxidation vent stream is normally routed through any equipment which is not a part of the air oxidation process as defined in 35 Ill. Adm. Code 211-122 211.350, such equipment shall be bypassed by the vent stream while the vent stream is sampled, but shall not be bypassed during the measurement of the initial value of the monitored parameters for determining compliance with Subpart V.

- b) The molar composition of the vent stream shall be determined using the following methods:

- 1) Reference Method 18 to measure the concentration of all organics, including those containing halogens, unless a significant portion of the compounds of interest are polymeric (high molecular weight), can polymerize before analysis or have low vapor pressures, in which case Reference Method 25(a) shall be used.
- 2) ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215-105 219.112 of this Part, to measure the concentration of carbon monoxide and hydrogen.

- 3) Reference Method 4 to measure the content of water vapor, if necessary.

- c) The volumetric flowrate shall be determined using Reference Method 2, 2A, 2C or 2D, as appropriate.

- d) The net heating value of the vent stream shall be calculated using the following equation:

$$H = K \sum_{i=1}^n C(i)H(i)$$

where:

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- H = Net heating value of the sample, MJ/scm, where the net enthalpy per mole of offgas is based on combustion at 25° C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20° C, as in the definition of F (vent stream flowrate) below
- K = Constant,  $1.740 \times 10^{-7}$  (l/ppm) (mole/scm) (MJ/kal) where standard temperature for mole/scm is 20° C
- C(i) = Concentration of sample component i, reported on a wet basis, in ppm, as measured by Reference Method 18 or ASTM D1946-67 (reapproved 1977), incorporated by reference in Section 215-105 219.112 of this Part.
- H(i) = Net heat of combustion of sample component i, kcal/mole based on combustion at 25° C and 760 mm Hg. If published values are not available or cannot be calculated, the heats of combustion of vent stream components are required to be determined using ASTM D382-76, incorporated by reference in Section 215-105 219.112 of this Part.

- e) The emission rate of total organic compounds in the process vent stream shall be calculated using the following equation:

$$E = K \sum_{i=1}^n F C(i)M(i)$$

where:

- E = Emission rate of total organic compounds (minus methane and ethane) in the sample in kg/hr;

- K = Constant  $2.494 \times 10^{-6}$  (l/ppm) (mole/scm) (kg/g) (min/hr), where standard temperature for (mole/scm) is 20° C;

- M(i) = Molecular weight of sample component i (g/mole);

- F = Vent stream flowrate (scm/min), at a standard temperature of 20° C

- f) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Reference Method 18.

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(Source: Amended at 18 Ill. Reg. **16980**, effective  
Nov 15 1994)

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1) Heading of the Part: PROCEDURAL REQUIREMENTS FOR PERMITTING COMPOST FACILITIES

2) Code Citation: 35 Ill. Adm. Code 832

3) Section Numbers:

832.101  
832.102  
832.103  
832.104  
832.105  
832.106  
832.107  
832.108  
832.109  
832.110  
832.111  
832.201  
832.202  
832.301  
832.302  
832.303

Adopted Action:

New  
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New

4) Statutory Authority: 415 ILCS 5/5, 21, 22.26, 22.33, 22.34, 22.35, 27 and 39.

5) Effective Date of Rulemaking: November 15, 1994

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rulemaking contain incorporations by reference? Yes.

If "yes," was a copy of the approval form issued by JCAR attached to this rulemaking? No approval from JCAR was necessary as all the incorporations are pursuant to Section 6.02(a) of the Illinois Administrative Procedure Act.

8) Date Filed in Agency's Principal Office: November 15, 1994

9) Notice of Proposal Published in Illinois Register:  
18 Ill. Reg. 11033.

10) Has JCAR issued a Statement of Objections to these rules? No

11) Difference(s) between proposal and final version:

Section 832.110 originally provided for a permit term of 10 years. The permit term has been reduced to 5 years in order to provide greater opportunity for permit review. Additional changes of a typographical nature where also made.

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- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes
- 13) Will this rulemaking replace an emergency rule currently in effect? No
- 14) Are there any amendments pending on this Part? No

## 15) Summary and Purpose of Rulemaking:

A detailed explanation of the rules is contained in the Board's 84-page final notice opinion and order in R93-29, which is available from the Board at the address set forth in question 16.

These rules set forth the procedures the Agency will follow in processing permit applications. They include provisions requiring that, before a construction or development permit is issued, notice be given to surrounding property owners, members of the legislative district in which the facility is located, and to the general public through publication in a newspaper of general circulation in the county in which the facility is located.

The rules also establish decision deadlines for the Agency. Applications must be processed within 90 days, or within 180 days, if a public hearing is required. Permits are issued for a maximum term of 5 years.

Finally, the rules set forth procedures governing the issuance, appeal, transfer, modification, and renewal of permits.

- 16) Information and questions regarding these adopted rules shall be directed to:

Name: Kevin G. Desharnais  
 Address: 100 W. Randolph Street  
 James R. Thompson Center  
 Suite 11-500  
 Chicago, IL 60601  
 Telephone: (312)814-6926

The full text of the Adopted Rules begins on the next page:

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## NOTICE OF ADOPTED RULES

TITLE 35: ENVIRONMENTAL PROTECTION  
 SUBTITLE G: WASTE DISPOSAL  
 CHAPTER I: POLLUTION CONTROL BOARD  
 SUBCHAPTER i: SOLID WASTE AND SPECIAL WASTE HAULING

## PART 832

## PROCEDURAL REQUIREMENTS FOR PERMITTING COMPOST FACILITIES

## SUBPART A: GENERAL PROVISIONS

Section  
 832.101 Scope and Applicability  
 832.102 Severability  
 832.103 Form and Delivery of Permit Application  
 832.104 Required Notifications  
 832.105 Agency Decision Deadlines  
 832.106 Standards for Issuance of a Permit  
 832.107 Standards for Denial of a Permit  
 832.108 Permit Appeals  
 832.109 Permit No Defense  
 832.110 Term of Permit  
 832.111 Transfer of Permit

## SUBPART B: ADDITIONAL PROCEDURES FOR MODIFICATION OF PERMITS

Section  
 832.201 Agency-Initiated Modification of an Approved Permit  
 832.202 Procedures for a Modification of an Approved Permit

## SUBPART C: ADDITIONAL PROCEDURES FOR THE RENEWAL OF PERMITS

Section  
 832.301 Time of Filing  
 832.302 Effect of Timely Filing  
 832.303 Procedures for Permit Renewal

AUTHORITY: Implementing Sections 5, 21, 22.26, 22.33, 22.34, 22.35, 39 and 40 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/5, 21, 22.26, 22.33, 22.34, 22.35, 39, 40 and 27].

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

SOURCE: Adopted at 18 Ill. Reg. 1'009, effective NOV 15 1994.

## SUBPART A: GENERAL PROVISIONS



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## Section 832.101 Scope and Applicability

This Part contains the procedures to be followed by the Agency in processing permits required pursuant to Section 21(d) of the Act and 35 Ill. Adm. Code 831. The definitions set forth in 35 Ill. Adm. Code 830.102 apply to this Part.

## Section 832.102 Severability

If any provision of this Rule is adjudged invalid, or if the application thereof to any person or in any circumstance is adjudged invalid, such invalidity shall not affect the validity of either this Part as a whole or any Subpart, Section, subsection, sentence or clause thereof not adjudged invalid.

## Section 832.103 Form and Delivery of Permit Application

All permit applications must be made on forms prescribed by the Agency, and must be mailed or delivered to the address designated by the Agency on the forms. The Agency shall provide a dated, signed receipt upon request. The Agency's record of the date of filing shall be deemed conclusive unless a contrary date is proved by a dated, signed receipt. Permit applications which are hand-delivered must be delivered during the Agency's normal business hours.

## Section 832.104 Required Notifications

The Agency shall not issue a development or construction permit after December 31, 1990 for any composting facility, unless the applicant has given notice thereof:

- a) In person or by mail to the members of the General Assembly from the legislative district in which the proposed facility is to be located;
- b) By registered or certified mail to the owners of all real property located within 250 feet of the site of the proposed facility (determined as provided in subsection (b) of Section 39.2 of the Act); and
- c) To the general public by publication in a newspaper of general circulation in the county in which the proposed facility is to be located. (Section 22.26 of the Act.)
  - 1) At a minimum, the newspaper notification must meet the following requirements:
    - A) Publication in the legal notice section of a daily newspaper in circulation within the city or area in which the facility is proposed to be located;
    - B) Published once a week for three successive weeks, pursuant to Section 3 of the Illinois Notice by Publication Act [715 ILCS 5/3].
  - 2) The newspaper notification should contain:
    - A) A description of the type of facility being proposed;
    - B) The location of the proposed facility;
    - C) The name of the person or corporation proposing the facility

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with a contact person and phone number; and

- D) Instructions to direct comments to the Agency in writing within twenty-one (21) days after the date of last publication. The Agency address and the phone number(s) of the bureau(s) and section(s) reviewing the permit must be provided.
- 3) The notification must not be published more than 3 months before filing the application and must commence no later than the filing date. Copies of the newspaper notification must either accompany the application or be sent to the Agency within 30 days after filing the application.

## Section 832.105 Agency Decision Deadlines

- a) If there is no final action by the Agency within 90 days after the filing of the application for permit, the applicant may deem the permit issued; except that this time period shall be extended to 180 days when notice and opportunity for public hearing are required by State or Federal law or regulation. (Section 39(a) of the Act.)
- b) An application for permit pursuant to this Part shall not be deemed filed until the Agency has received all information and documentation in the form and with the content required pursuant to this Part, 35 Ill. Adm. Code 830 and 35 Ill. Adm. Code 831. However, if, pursuant to the standards for the denial of a permit, the Agency fails to notify the applicant within 30 days following the filing of a purported application that the application is incomplete and the reason the Agency deems it incomplete, the application shall be deemed to have been filed as of the date of such purported filing as calculated pursuant to Section 832.103. The applicant may treat the Agency's notification that an application is incomplete as a denial of the application for the purpose of permit appeal.
- c) The applicant may waive the right to a final decision within the decision deadline. Such waiver shall be submitted in writing to the Agency prior to the applicable deadline in subsection (a) of this Section.
- d) The applicant may modify a permit application at any time prior to the Agency decision deadline date. Any modification of a permit application must constitute a new application for the purposes of calculating the Agency decision deadline date.
- e) Final action must be deemed to have taken place on the date that such final action is signed.
- f) The Agency shall mail all notices of final action by registered or certified mail, postmarked with a date stamp and accompanied by a return receipt request.

## Section 832.106 Standards for Issuance of a Permit

- a) When the Board has by regulation required a permit for the construction, installation, or operation of any type of facility,

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- equipment, vehicle, vessel, or aircraft, the applicant shall apply to the Agency for such permit and it shall be the duty of the Agency to issue such permit upon proof by the applicant that the facility, equipment, vehicle, vessel, or aircraft will not cause a violation of the Act or of regulations set forth in 35 Ill. Adm. Code: Chapter I.
- b) In granting permits, the Agency may impose such conditions as may be necessary to accomplish the purposes of the Act, and as are not inconsistent with the regulations promulgated by the Board.
- c) No permit shall be issued by the Agency under the act for construction or operation of any facility or site located within the boundaries of any setback zone established pursuant to the Act, where such construction or operation is prohibited. (Section 39 of the Act.)

**Section 832.107 Standards for Denial of a Permit**

If the Agency denies any permit pursuant to this Section, the Agency shall transmit to the applicant, within the time limitations for Agency decision deadlines, specific, detailed statements as to the reasons the permit application was denied. Such statements shall include but not be limited to the following:

- a) The Sections of the Act that may be violated if the permit were granted;
- b) The provision of the regulations set forth in 35 Ill. Adm. Code: Chapter I, promulgated pursuant to the Act, that may be violated if the permit were granted;
- c) The specific information, if any, the Agency deems the applicant did not provide in its application to the Agency; and
- d) A statement of specific reasons why the Act and the regulations set forth in 35 Ill. Adm. Code: Chapter I might be violated if the permit were granted. (Section 39(m) of the Act.)

**Section 832.108 Permit Appeals**

If the Agency refuses to grant or grants with conditions a permit under Section 39 of the Act, the applicant may, within 35 days, petition for a hearing before the Board to contest the decision of the Agency. (Section 40(a)(1) of the Act.) The petition shall be filed, and the proceeding conducted, pursuant to the procedures of Section 40 of the Act and 35 Ill. Adm. Code 101 and 105.

**Section 832.109 Permit No Defense**

The issuance and possession of a permit shall not constitute a defense to a violation of the Act or any Board regulations, except for the development and operation of a facility without a permit.

**Section 832.110 Term of Permit**

No permit issued pursuant to this part shall have a term of more than 5 years.

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**Section 832.111 Transfer of Permit**

A permit may be transferred to a new operator only upon permit modification, pursuant to this part, to identify the new permittee and incorporate other requirements necessary under the Act. The application must be signed by the existing owner or duly authorized agent of the owner and the new owner and operator or duly authorized agents. The new operator to whom the permit is transferred shall comply with all terms and conditions specified in such permit.

**SUBPART B: ADDITIONAL PROCEDURES FOR MODIFICATION OF PERMITS****Section 832.201 Agency-Initiated Modification of an Approved Permit**

- a) The Agency may modify a permit under the following circumstances:
- 1) Discovery of a typographical, administrative, or calculation error;
  - 2) Discovery that a determination or condition was based upon false or misleading information;
  - 3) An order of the Board issued in an action brought pursuant to Title VII, IX or X of the Act; or
  - 4) Promulgation of new statutes or regulations affecting the permit.
- b) Modifications initiated by the Agency shall not become effective until 45 days after receipt by the operator, unless stayed during the pendency of an appeal to the Board. The operator may request that the Agency reconsider the modification, or may file a petition for hearing with the Board pursuant to Section 832.108. All other time periods and procedures in 832.202 shall apply.

**Section 832.202 Procedures for a Modification of an Approved Permit**

Application for modification of an approved permit shall be subject to all requirements and time schedules set forth in this Part.

**SUBPART C: ADDITIONAL PROCEDURES FOR THE RENEWAL OF PERMITS****Section 832.301 Time of Filing**

An application for renewal of a permit must be filed with the Agency at least 90 days prior to the expiration date of the existing permit.

**Section 832.302 Effect of Timely Filing**

When a permittee has made timely and sufficient application for the renewal of a permit, the existing permit shall continue in full force and effect until the final Agency decision on the application and any final Board decision on any appeal pursuant to Section 40 have been made, unless a later date is fixed by order of a reviewing court.

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**Section 832.303 Procedures for Permit Renewal**

Applications for permit renewal are to be subject to the requirements and time schedules set forth in Subpart A of this Part.

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**1) Heading of the Part: STANDARDS FOR COMPOST FACILITIES****2) Code Citation: 35 Ill. Adm. Code 830****3) Section Numbers:**

| <u>Section Numbers:</u> | <u>Adopted Action:</u> |
|-------------------------|------------------------|
| 830.101                 | New                    |
| 830.102                 | New                    |
| 830.103                 | New                    |
| 830.104                 | New                    |
| 830.105                 | New                    |
| 830.106                 | New                    |
| 830.107                 | New                    |
| 830.108                 | New                    |
| 830.201                 | New                    |
| 830.202                 | New                    |
| 830.203                 | New                    |
| 830.204                 | New                    |
| 830.205                 | New                    |
| 830.206                 | New                    |
| 830.207                 | New                    |
| 830.208                 | New                    |
| 830.209                 | New                    |
| 830.210                 | New                    |
| 830.211                 | New                    |
| 830.212                 | New                    |
| 830.213                 | New                    |
| 830.501                 | New                    |
| 830.502                 | New                    |
| 830.503                 | New                    |
| 830.504                 | New                    |
| 830.507                 | New                    |
| 830.508                 | New                    |
| 830.601                 | New                    |
| 830.602                 | New                    |
| 830.603                 | New                    |
| 830.604                 | New                    |
| 830.605                 | New                    |
| 830.606                 | New                    |
| 830.APPENDIX A          | New                    |
| 830.APPENDIX B          | New                    |
| 830.TABLE A             | New                    |
| 830.TABLE B             | New                    |
| 830.TABLE C             | New                    |

**4) Statutory Authority: 415 ILCS 5/5, 21, 22.23, 22.34, 22.35, 27 and 39.****5) Effective Date of Rulemaking: November 15, 1994****6) Does this rulemaking contain an automatic repeal date? No**



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- 7) Does this rulemaking contain incorporations by reference? Yes  
If "yes," was copy of the approval form issued by JC&R attached to this rulemaking? No approval from JC&R was necessary as all the incorporations are pursuant to Section 6.02.(a) of the Illinois Administrative Procedure Act.
- 8) Date Filed in Agency's Principal Office: November 30, 1994
- 9) Notice of Proposal Published in Illinois Register: July 15, 1994,  
18 Ill. Reg. 11040.
- 10) Has JC&R issued a Statement of Objections to these rules? No
- 11) Difference(s) between proposal and final version:

The proposal originally included a classification scheme where the applicability of additional operational requirements was based on the size of the facility, with additional requirements being imposed on facilities which compost over 100 cubic yards of landscape waste annually if their end-product compost was offered for off-site sale or use. This applied even if the facilities were not permitted facilities. The proposal was intended to make the regulations applicable to the maximum extent possible within the statutory constraints, based on the Board's belief that permitting status is not premised on the threat a facility poses to the environment.

Because the Board recognized that the threat posed by a facility is as dependent upon its operational practices as its size, and since no reliable cut-off for the appropriate size of a facility to be subject to additional regulation could be established, the applicability scheme is no longer based on facility size. Instead, the additional elements of the more stringent performance standards, previously applicable only to permitted facilities, have been grafted into Section 830.202, which contains the minimum performance standards and reporting requirements applicable to on-site commercial facilities, on-farm landscape waste compost facilities, as well as permitted facilities. Added are requirements that all facilities subject to performance standards:

- (1) take specific measures to control for litter and vectors;
- (2) have and adhere to an odor management plan;
- (3) forward information about odor complaints and response action to the Illinois Environmental Protection Agency (IEPA) in a timely manner; and
- (4) post signs informing the public where complaints can be registered with the site operator and the IEPA.

These changes were made based on the belief that operational standards are

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an appropriate means for controlling environmental impacts and odors.

Additionally, while the first notice proposal did not require facilities to test for toxic metals, the final regulations require permitted facilities to perform such testing. Because permitted facilities are the only type of facility which accepts landscape waste from off-site and offers end-product compost for off-site sale or use, they are the facilities which are most susceptible to adulteration of the waste stream.

Additional minor changes and changes of a typographical nature were also made.

- 12) Have all the changes agreed upon by the Agency and JC&R been made as indicated in the agreement letter issued by JC&R? Yes

- 13) Will this rulemaking replace an emergency rule currently in effect? No

- 14) Are there any amendments pending on this Part? No

- 15) Summary and Purpose of Rulemaking:

A detailed explanation of the rules is contained in the Board's 84-page final notice opinion and order in R93-29, which is available from the Board at the address set forth in question 16.

These regulations establish location and operating standards for landscape waste compost facilities, and establish quality standards and testing procedures for all end-product compost offered for off-site sale or use. There are two main types of facilities subject to these regulations: permitted facilities and permit-exempt facilities.

The permit-exempt facilities are divided into three sub-categories:

- (1) On-site facilities, which are defined as facilities at which the landscape waste composted is generated only on-site and the end-product is not offered for off-site sale or use. These facilities are subject to the location standards in Section 830.203, and the end-product quality standards in Subpart E.

- (2) On-site commercial landscape waste compost facilities, which are defined as facilities at which the landscape waste composted is generated only on-site and the end-product is offered for off-site sale or use. These facilities are subject to the minimum performance standards in Section 830.202, the location standards in Section 830.203, and the end-product quality standards in Subpart E.

- (3) On-farm facilities, the criteria for which are statutorily defined. However, the statutorily-defined criteria are incorporated into the regulations at Section 830.106(a). In addition to the statutorily defined criteria, these facilities are subject to the

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minimum performance standards in Section 830.202.

Permitted landscape waste compost facilities include all facilities which are not garden compost operations, on-site facilities, on-site commercial facilities, or on-farm operations. They are subject to the minimum performance standards in Section 830.202, the location standards in Section 830.203, the additional operating standards in Section 830.204 through 830.213, the end-product quality standards of Subpart E, and the financial assurance requirements of Subpart F.

An express exemption from all the regulations is established for "garden compost operations." These are facilities defined as operations which have no more than 25 cubic yards of material on-site at any one time and which do not engage in commercial activity. This is intended to exempt very small composting operations such as those conducted in community backyards, urban landscape projects, and community gardens.

16) Information and questions regarding these adopted rules shall be directed to:

Name: Kevin G. Desharnais  
Address: 100 W. Randolph Street  
James R. Thompson Center  
Suite 11-500  
Chicago, IL 60601  
Telephone: (312) 814-6926

The full text of the adopted rules begins on the next page:

## ILLINOIS REGISTER

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TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE G: WASTE DISPOSAL

CHAPTER I: POLLUTION CONTROL BOARD

SUBCHAPTER I: SOLID WASTE AND SPECIAL WASTE HAULING

PART 830

STANDARDS FOR COMPOST FACILITIES

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Incorporations by Reference  
Exempt Operations and Activities  
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On-Farm Landscape Waste Compost Facility  
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SUBPART B: STANDARDS FOR OWNERS AND OPERATORS OF LANDSCAPE WASTE COMPOST FACILITIES

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Scope and Applicability  
Minimum Performance Standards and Reporting Requirements for Landscape Waste Compost Facilities  
Location Standards for Landscape Waste Compost Facilities  
Additional Stormwater and Landscape Waste Leachate Controls at Permitted Landscape Waste Compost Facilities  
Additional Operating Standards for Permitted Landscape Waste Compost Facilities  
Operating Plan for Permitted Landscape Waste Compost Facilities  
Salvaging at Permitted Landscape Waste Compost Facilities  
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SUBPART E: QUALITY OF END-PRODUCT COMPOST

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Compost Classes  
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Testing Requirements for End-Product Compost Derived from Landscape

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830.507 Waste  
830.508 Sampling Methods  
830.508 Off-Specification Compost

## SUBPART F: FINANCIAL ASSURANCE

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|------------|--|
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| 830.601    | Financial Assurance Plan                               |
| 830.602    | Written Cost Estimate                                  |
| 830.603    | Financial Assurance Fund                               |
| 830.604    | Financial Assurance Mechanism                          |
| 830.605    | Financial Assurance Certification                      |
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| APPENDIX A | Performance Test Methods                               |
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| TABLE A    | Sampling and Handling Requirements                     |
| TABLE B    | Seed Germination Record Sheet                          |
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AUTHORITY: Implementing Sections 5, 21, 22.33, 22.34, 22.35 and 39 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/5, 21, 22.33, 22.34, 22.35, 27 and 39].

SOURCE: Adopted at 18 Ill. Reg. 17017, effective  
NOV 15 1994.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets.

## SUBPART A: GENERAL PROVISIONS

## Section 830.101 Purpose, Scope and Applicability

- a) The purpose of this Part is to establish:
- 1) Performance standards for landscape waste compost facilities operating in the State of Illinois; and
  - 2) Testing procedures and standards for end-product compost offered, by a facility, for sale or use in the State of Illinois.
- b) General applicability.
- 1) The provisions of this Part apply to all landscape waste compost facilities operating in the State of Illinois, except those expressly exempted pursuant to Section 830.104 and those regulated pursuant to 35 Ill. Adm. Code 391 and 40 CFR Part 503.
  - 2) Facilities regulated pursuant to this Part are not subject to 35 Ill. Adm. Code 807 or 810 through 815, except that any accumulation of materials meeting the 35 Ill. Adm. Code 810

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definition of a waste pile shall be subject to 35 Ill. Adm. Code 810 through 815.

- 3) Facilities regulated pursuant to Subpart B shall accept only landscape waste for composting.

## c) Specific applicability.

- 1) The provisions of this Subpart apply to all facilities subject to this Part; the definitions set forth in Section 830.102 apply for purposes of this Part, 35 Ill. Adm. Code 831, and 35 Ill. Adm. Code 832.
- 2) The performance standards set forth in Subpart B are applicable to landscape waste composting facilities subject to this Part.
- 3) The performance standards set forth in Subpart E are applicable to all general use compost offered for sale or use in Illinois; the testing requirements set forth in Subpart E are applicable to facilities offering general use compost for sale or use in Illinois.
- 4) The financial assurance requirements set forth in Subpart F are applicable to all facilities subject to this Part that are required to have a permit pursuant to 35 Ill. Adm. Code 831.

## Section 830.102 Definitions

Except as stated in this Section, the definition of each word or term used in this Part, 35 Ill. Adm. Code 831 and 35 Ill. Adm. Code 832 shall be the same as that applied to the same word or term in the Environmental Protection Act ("Act") [415 ILCS 5].

"Act" means the Environmental Protection Act [415 ILCS 5].

"Additive" means components, other than landscape waste, added to composting material to maximize the decomposition process by adjusting any of the following: moisture, temperature, oxygen transfer, pH, carbon to nitrogen ratio, biology or biochemistry of the composting material.

"Aerated static pile" means a composting system that uses a series of perforated pipes or equivalent air distribution systems running underneath a compost pile and connected to a blower that either draws or blows air through the piles. Little or no pile agitation or turning is performed.

"Aerobic composting" means a process managed and maintained to promote maturation of organic materials by microbial action in the presence of free oxygen contained within the gas in the composting material.

"Aerobic" means done in the presence of free oxygen.

"Agency" means the Illinois Environmental Protection Agency.



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"Agronomic Rates" means the application of not more than 20 tons per acre per year, except that the Agency may allow a higher rate for individual sites where the owner or operator has demonstrated to the Agency that the site's soil characteristics or crop needs require a higher rate. (Section 21(q) of the Act.)

"Anaerobic composting" means a process managed and maintained to promote maturation of organic materials by microbial action in the absence of free oxygen within the gas in the composting material.

"Bad Load" means a load of material that would, if accepted, cause or contribute to a violation of the Act, even if managed in accordance with these regulations and any facility permit conditions.

"Batch" means material used to fill the vessel of a contained composting system.

"Board" means the Illinois Pollution Control Board.

"Bulking agent" means a material used to increase porosity, to improve aeration, or to absorb moisture from decomposing waste.

"Closure" means the process of terminating composting facility operations pursuant to applicable Sections in this Part, 35 Ill. Adm. Code 831 and 35 Ill. Adm. Code 832, beginning upon permit expiration without filing for renewal, intentional cessation of waste acceptance or cessation of waste acceptance for greater than 180 consecutive days, unless an alternative time frame is approved in a closure plan.

"Commercial activity" means any activity involving the transfer of money.

"Compost" means the humus-like product of the process of composting waste, which may be used as a soil conditioner. (Section 3.70 of the Act.)

"Composting" means the biological treatment process by which microorganisms decompose the organic fraction of the waste, producing compost. (Section 3.70 of the Act.) Land application is not composting.

"Composting area" means the area of a composting facility in which waste, composting material or undistributed end-product compost is unloaded, stored, staged, stockpiled, treated or otherwise managed.

"Composting material" means solid wastes that are in the process of being composted.

"Composting operation" means an enterprise engaged in the production

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and distribution of end-product compost.

"Contained composting process" means a method of producing compost in which the composting material is confined or contained in a vessel or structure which both protects the material from the elements and controls the moisture and air flow.

"Designated use compost" means end-product compost which does not meet the standards set forth in Section 830.503 of this Part.

"Dewar flask" means an insulated container used especially to store liquefied gases, having a double wall, an evacuated space between the walls and silvered surfaces.

"Domestic sewage" means waste water derived principally from dwellings, business or office buildings, institutions, food service establishments, and similar facilities.

"End-product compost" means organic material that has been processed to maturity and classified as general use compost or designated use compost in accordance with this Part.

"Facility" means any landscape waste compost facility.

"Garbage" is waste resulting from the handling, processing, preparation, cooking, and consumption of food, and wastes from the handling, processing, storage, and sale of produce. (Section 3.11 of the Act.)

"Garden compost operation" means an operation which (1) has no more than 25 cubic yards of landscape waste, composting material or end-product compost on-site at any one time and (2) is not engaging in commercial activity.

"General use compost" means end-product compost which meets the standards set forth in Section 830.503 of this Part.

"Groundwater" means underground water which occurs within the saturated zone and geologic materials where the fluid pressure in the pore space is equal to or greater than atmospheric pressure. (Section 3(b) of the Groundwater Protection Act [415 ILCS 55].)

"In-vessel composting" means a diverse group of composting methods in which composting materials are contained in a building, reactor, or vessel.

"In-vessel continuous feed system" means a method of producing compost in which the raw composting material is delivered on a continuous basis to a reactor.

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"Insulating material" means material used for the purpose of preventing the passage of heat out of a windrow or other pile. Insulating material includes, but is not limited to, end-product compost, foam, or soil. Insulating material does not include composting material that has not reached maturity.

"Land application" means the spreading of waste, at an agronomic rate, as a soil amendment to improve soil structure and crop productivity.

"Landscape Waste" means all accumulations of grass or shrubbery cuttings, leaves, tree limbs and other materials accumulated as the result of the care of lawns, shrubbery, vines and trees. (Section 3.20 of the Act.)

"Landscape waste compost facility" means an entire landscape waste composting operation, with the exception of a garden compost operation.

"Landscape waste leachate" means a liquid containing any of the following: waste constituents originating in landscape waste; landscape waste composting material; additives; and end-product compost.

"Maturity" means a state which is characteristically: generally dark in color; humus-like; crumbly in texture; not objectionable in odor; resembling rich topsoil; and bearing little resemblance in physical form to the waste from which it is derived.

"Modification" means a permit revision authorizing either an extension of the current permit term or a physical or operational change at a composting facility which involves different or additional processes, increases the capacity of the operation, requires construction, or alters a requirement set forth as a special condition in the existing permit.

"MPN" means most probable number, a mathematical inference of the viable count from the fraction of cultures that fail to show growth in a series of tubes containing a suitable medium.

"Nearest residence" means an occupied dwelling and adjacent property commonly used by inhabitants of the dwelling.

"Non-compostable material" means items not subject to microbial decomposition under conditions used to compost waste.

"Off-site" means not on-site.

"On-farm landscape waste compost facility" means a landscape compost facility which satisfies all of the criteria set forth in Section

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830.106.

"On-site" means on the same or geographically contiguous property which may be divided by public or private right-of-way, provided the entrance and exit between the properties is at a crossroads intersection and access is by crossing as opposed to going along the right-of-way. Noncontiguous properties owned by the same person but connected by a right-of-way which the owner controls and to which the public does not have access are also considered on-site property.

"On-site commercial facility" means a landscape waste compost facility at which the landscape waste composted is generated only on-site and the end-product is offered for off-site sale or use.

"On-site facility" means a landscape waste compost facility at which the landscape waste composted is generated only on-site and the end-product is not offered for off-site sale or use.

"Open composting process" means a method of producing compost without protecting the compost from weather conditions.

"Operator" means the individual, partnership, co-partnership, firm, company, corporation, association, joint stock company, trust, estate, political subdivision, State agency, or any other legal entity that is responsible for the operation of the facility. The property owner, if different from the operator, shall be deemed the operator in the event that the operator abandons the facility.

"Origin" means the legal entity from which a substance has been obtained.

"Processing into windrows or other piles" means placement of waste materials into windrows or other piles of a size, structure, and mixture adequate to begin the composting process.

"Property owner" means the owner of the land on which the composting operation is located or proposed to be located, except that if the operator has obtained a lease for at least the duration of the proposed facility permit plus one year, then "property owner" shall mean the operator of the composting operation.

"Registered professional engineer" means a person registered under the Illinois Professional Engineering Practice Act (225 ILCS 325).

"Relatively impermeable soil" means a soil located above the water table that has a hydraulic conductivity no greater than  $1 \times 10^{-5}$  centimeters per second for a thickness of at least one foot.

"Runoff" means water resulting from precipitation that flows overland

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before it enters a defined stream channel, excluding any portion of such overland flow that infiltrates into the ground before it reaches the stream channel, and any precipitation that falls directly into a stream channel.

"Runon" means any rainwater, leachate or other liquid that drains over land onto any part of a facility.

"Salvaging" means the return of waste materials to beneficial use.

"Salvaging operations" means those activities that recover waste for beneficial use, so long as the activity is done under the supervision of the compost facility's operator, does not interfere with or otherwise delay the operations of the compost facility, and results in the removal of all materials for salvaging from the compost facility daily or separation by type and storage in a manner that does not create a nuisance, harbor vectors, or cause an unsightly appearance.

"Septage" means the liquid portions and sludge residues removed from septic tanks.

"Sewage" means water-carried human and related waste from any source.

"Site" means any location, place, tract of land, and facilities, including but not limited to buildings, and improvements used for purposes subject to regulation or control by the Act and 35 Ill. Adm. Code 830, 831 and 832. (Section 3.43 of the Act.)

"Sludge" means any solid, semisolid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility, or any other such waste having similar characteristics and effects. (Section 3.44 of the Act.)

"Special waste" means any industrial process waste, pollution control waste or hazardous waste, except as determined pursuant to Section 22.9 of the Act and 35 Ill. Adm. Code 808. (Section 3.45 of the Act.)

"Stability" means a state in which the compost decomposes slowly even under conditions favorable for microbial activity.

"Staging area" means an area within a facility where raw material for composting is processed, temporarily stored in accordance with the standards set forth in 830.205(a)(1)(A), loaded or unloaded.

"Surface water" means all tributary streams and drainage basins, including natural lakes and artificial reservoirs, which may affect a specific water supply above the point of water supply intake. Such term does not include treatment works (such as a retention basin).

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"Ten (10) year, 24 hour precipitation event" means a precipitation event of 24 hour duration with a probable recurrence interval of once in 10 years.

"20-20-20 NPK" means a fertilizer containing 20 percent total nitrogen (N), 20 percent available phosphoric acid (P[2]O[5]) and 20 percent soluble potash (K[2]O).

"Unacceptable load" means a load containing waste a facility is not authorized to accept.

"Underground water" means all water beneath the land surface.

"Vector" means any living agent, other than human, capable of transmitting, directly or indirectly, an infectious disease.

"Water table" means the boundary between the unsaturated and saturated zones of geologic materials or the surface on which the fluid pressure in the pores of a porous medium is exactly at atmospheric pressure.

"Windrow" means an elongated pile of solid waste or composting material constructed to promote composting.

"Woody landscape waste" means plant material greater than two inches in diameter.

## Section 830.103 Incorporations by Reference

The Board incorporates the following material by reference. These incorporations include no later amendments or editions.

- a) American Public Health Association et al., 1015 Fifteenth Street, N.W., Washington, D.C. 20005, "Standard Methods for the Examination of Water and Wastewater," 18th Edition, 1992.
- b) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Third Edition (September, 1986), as amended by Revision I (December, 1987), Final Update I (November, 1992) and Proposed Update II (July, 1992), United States Environmental Protection Agency, Washington, D.C., EPA Publication Number SW-846.
- c) North Dakota Agricultural Experiment Station, North Dakota State University, Fargo, North Dakota 58105, "Recommended Chemical Soil Test Procedures for the North Central Region," North Central Regional Publication No. 221 (Revised), Bulletin No. 499 (Revised), October, 1988.

## Section 830.104 Exempt Operations and Activities

- a) The requirements of this Part shall not apply to a garden compost operation as defined at Section 830.102.
- b) The testing requirements set forth in Subpart E of this Part shall not



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apply to end-product compost used as a daily cover or vegetative amendment in the final layer of a landfill. (Section 22.33(c) of the Act.)

- c) Notwithstanding subsection (b) of this Section, end-product compost shall not be used as daily cover or vegetative amendments in the final layer of a landfill unless such use is approved in the landfill's permit.

## Section 830.105 Permit-Exempt Facilities and Activities

The following types of facilities or activities are not required to have a permit pursuant to this Part:

- a) A landscape waste composting operation for landscape wastes generated by such facility's own activities which are stored, treated or disposed of within the site where such wastes are generated (Section 21(q)(1) of the Act);
- b) Applying landscape waste or composted landscape waste at agronomic rates (Section 21(q)(2) of the Act); or
- c) A landscape waste composting facility on a farm which meets all of the criteria set forth at Section 830.106 (Section 21(q)(3) of the Act).

## Section 830.106 On-Farm Landscape Waste Compost Facility

- a) A landscape compost operation on a farm must satisfy all of the following criteria:

- 1) The composting facility is operated by the farmer on property on which the composting material is utilized, and the composting facility constitutes no more than 2% of the property's total acreage, except that the Agency may allow a higher percentage for individual sites where the owner or operator has demonstrated to the Agency that the site's soil characteristics or crop needs require a higher rate;
- 2) The property on which the composting facility is located, and any associated property on which the compost is used, is principally and diligently devoted to the production of agricultural crops and is not owned, leased or otherwise controlled by any waste hauler or generator of nonagricultural compost materials, and the operator of the composting facility is not an employee, partner, shareholder, or in any way connected with or controlled by any such waste hauler or generator;
- 3) All compost generated by the composting facility is applied at agronomic rates and used as mulch, fertilizer or soil conditioner on land actually farmed by the person operating the composting facility, and the finished compost is not stored at the composting site for a period longer than 18 months prior to its application as mulch, fertilizer, or soil conditioner; and
- 4) All composting material was placed more than 200 feet from the nearest potable water supply well, was placed outside the boundary of the 10-year floodplain or on a part of the site that

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is floodproofed, was placed at least 1/4 mile from the nearest residence (other than a residence located on the same property as the facility) and there are not more than 10 occupied non-farm residences within 1/2 mile of the boundaries of the site on the date of application, and was placed more than 5 feet above the water table.

- b) The owner or operator, by January 1, 1991 (or the January 1 following commencement of operation, whichever is later) and January 1 of each year thereafter shall:

- 1) register the site with the Agency, by obtaining an Illinois Inventory Identification Number from the Agency;
- 2) file a report with the Agency, on a form provided by the Agency, certifying at a minimum:
  - A) The volume of composting material received and used at the site during the previous calendar year; and
  - B) The volume of compost produced during the previous calendar year;
  - C) That the facility is in compliance with the requirements set forth in subsection (a) of this Section. (Section 21 of the Act)

## Section 830.107 Compliance Dates

- a) All operators of existing facilities shall comply with the applicable minimum performance standards and recordkeeping requirements set forth in Section 830.202 of this Part by the effective date of these regulations. (Section 21(q) of the Act.)
- b) By November 10, 1995, all operators of existing facilities shall certify compliance with the applicable provisions set forth in Sections 830.206, 830.210, 830.211, 830.504 and 830.507. Certification of compliance with Sections 830.206, 830.210, 830.211, 830.504 and 830.507 shall be done by completing and filing with the Agency a form provided by the Agency.
- c) By November 10, 1995, all operators of existing permitted facilities shall certify compliance with Subpart F of this Part. Such certification of compliance shall be done as specified in Section 830.606.
- d) Each existing permitted facility shall, in addition, remain in compliance with all conditions set forth in its current facility permit, pending permit expiration or modification authorizing construction, resulting in an increase in capacity, transferring ownership or extending the current permit term.
- e) Upon application either for permit renewal or for modification authorizing construction, resulting in an increase in capacity, extending the current permit term or initiated by the Agency pursuant to 35 Ill. Adm. Code 832.201, an existing permitted facility shall demonstrate, as part of the permit application, compliance with all provisions of this Part applicable to permitted facilities.

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**Section 830.108 Severability**

If any provision of this Part is adjudged invalid, or if the application thereof to any person or in any circumstance is adjudged invalid, such invalidity shall not affect the validity of either this Part as a whole or any Subpart, Section, subsection, sentence or clause thereof not adjudged invalid.

**SUBPART B: STANDARDS FOR OWNERS AND OPERATORS OF LANDSCAPE WASTE COMPOST FACILITIES**

**Section 830.201 Scope and Applicability**

- a) Garden compost facilities are exempt from all the requirements of Part 830.
- b) On-site landscape waste compost facilities are subject to the location standards in Section 830.203.
- c) On-site commercial landscape waste compost facilities are subject to the minimum performance standards in Section 830.202, the location standards in Section 830.203, and the end-product quality standards in Subpart E of this Part.
- d) On-farm landscape waste compost facilities which satisfy all the requirements in Section 830.106(a) are subject to the minimum performance standards in Section 830.202.
- e) Permitted landscape waste compost facilities are subject to the minimum performance standards in Section 830.202, the location standards in Section 830.203, the additional operating standards and requirements in Sections 830.204 through 830.213, the end-product quality standards of Subpart E of this Part and the financial assurance requirements of Subpart F of this Part.

**Section 830.202 Minimum Performance Standards and Reporting Requirements for Landscape Waste Compost Facilities**

With the exception of on-site landscape waste compost facilities, all landscape waste compost facilities subject to this Part shall comply with the following requirements:

- a) The composting material shall not contain any domestic sewage, sewage sludge or septage.
- b) Any bulking agent used which is otherwise a waste as defined at Section 3.53 of the Act, other than landscape waste, may only be used as authorized by the Agency in writing or by permit.
- c) The operator shall take specific measures to control odors and other sources of nuisance so as not to cause or contribute to a violation of the Act. Specific measures an operator should take to control odor include but are not limited to: adherence to the contents of the odor minimization plan required at subsection (e). Specific measures an operator should take to control other sources of nuisance include preventative measures to control litter, vectors, and dust and noise

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generated from truck or equipment operation.

- d) The operator shall have available for inspection a plan for the intended purposes of end-product compost and a contingency plan for handling end-product compost and composting material that does not meet the general use compost standards set forth in Section 830.503 of this Part. Such a plan may include, but is not limited to, consideration of the following: on-site usage; identification of potential buyers including but not limited to gardeners, landscapers, vegetable farmers, turf growers, operators of golf courses, and ornamental crop growers; maintaining consistent product quality for such factors as stability, color, texture, odor, pH, and man-made inerts; and removal of end-product compost that cannot be used in the expected manner because it does not meet the general use compost standards. (Section 22.33(a)(4) of the Act.)
- e) The operator shall have a plan for minimizing odors. The plan must include:
  - 1) Specifications of a readily-available supply of bulking agents, additives or odor control agents;
  - 2) Procedures for avoiding delay in processing and managing landscape waste during all weather conditions;
  - 3) Methods for taking into consideration the following factors prior to turning or moving composting material:
    - A) Time of day;
    - B) Wind direction;
    - C) Percent moisture;
    - D) Estimated odor potential; and
    - E) Degree of maturity.
- f) Landscape waste must be processed within five days after receipt into windrows or other piles which promote proper conditions for composting. Incoming leaves, brush or woody landscape waste may be stored in designated areas for use as a carbon source and bulking agent, rather than being processed into windrows or other piles. The facility must be designed and constructed so that runoff is diverted around the composting area. The runoff from the facility resulting from precipitation less than or equal to the 10 year, 24 hour precipitation event must be controlled so as not to cause or contribute to a violation of the Act.
- g) The facility must be constructed and maintained to have an accessible clear space between windrows or other piles, suitable for housekeeping operations, visual inspection of piling areas and fire fighting operations.
- i) Except for on-farm landscape waste compost facilities, the operator shall post permanent signs at each entrance, the text of which specifies in letters not less than three inches high:
  - 1) The name and mailing address of the operation;
  - 2) The operating hours;
  - 3) Materials which can be accepted; and
  - 4) The statement, "COMPLAINTS CONCERNING THIS FACILITY CAN BE MADE TO THE FOLLOWING PERSONS, followed by the name and telephone



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number of the operator, and the name and telephone number of the Bureau of Land, Illinois Environmental Protection Agency, Springfield, Illinois.

- j) General use compost, if offered for sale or use, must meet the performance standards set forth in Section 830.503.

k) Reporting Requirements.

- 1) The operator of any facility required, pursuant to 35 Ill. Adm. Code 831, to have a permit shall submit a written annual statement to the Agency, on a form provided by the Agency, on or before April 1 of each year that includes:

- A) An estimate of the amount of material, in tons, received for composting in the previous calendar year (Section 39(m) of the Act);
- B) An estimate of the amount and disposition of compost material (i.e., end-product compost, chipped/shredded brush) in the previous calendar year; and
- C) A Composting Facility Financial Assurance Plan Compliance Certification in accordance with the requirements set forth in Section 830.606.

- 2) For any permit-exempt facility with over 100 cubic yards of composting material on-site at one time, a report must be filed by April 1 of each year with the Agency, on a form provided by the Agency, stating, at a minimum, the facility location, an estimate of the amount of material, in cubic yards or tons, received for composting in the previous calendar year, and the total amount of end-product compost still on-site, used or sold during the previous calendar year.

- l) Closure.

- 1) Unless otherwise authorized in a facility permit, all landscape waste, composting material, end-product compost, and additives must be removed from the facility within 180 days following the beginning of closure.

- 2) An operator of a facility regulated under this Subpart shall close the facility in a manner which:

- A) Minimizes the need for further maintenance; and
- B) Controls, minimizes or eliminates the release of landscape waste, landscape waste constituents, landscape waste leachate, and composting constituents to the groundwater or surface waters or to the atmosphere to the extent necessary to prevent threats to human health or the environment.

- 3) By April 1 of the year following completion of closure, the operator of a facility required to report pursuant to subsection (k)(2) of this Section shall file a report with the Agency verifying that closure was completed in accordance with this Section in the previous calendar year.

- m) Odor complaints.

- 1) Except for on-farm landscape waste compost facilities, for every odor complaint received, the operator shall:

- A) Record and report to the Agency within 24 hours after

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receiving the complaint, the date and time received, the name of complainant, the address and phone number of complainant, if volunteered upon request, and the name of the personnel receiving the complaint.

- B) Record the date, time, and nature of any action taken in response to an odor complaint, and report such information to the Agency within 7 days after the complaint.

### Section 830.203 Location Standards for Landscape Waste Compost Facilities

With the exception of on-farm landscape waste operations, all landscape waste compost facilities subject to this Part shall comply with the following:

- a) The composting area of the facility must include a setback of at least 200 feet from the nearest potable water supply well. (Section 39(m) of the Act.)
- b) The composting area of the facility must be located outside the boundary of the 10-year floodplain or the site shall be floodproofed. (Section 39(m) of the Act.)
- c) The composting area of the facility must be located so as to minimize incompatibility with the character of the surrounding area, including at least a 200 foot setback from any residence, and in the case of a facility that is developed or the permitted composting area of which is expanded after November 17, 1991, the composting area shall be located at least 1/8 mile from the nearest residence (other than a residence located on the same property as the facility). (Section 39(m) of the Act.)
- d) If, at the time the facility permit application is deemed complete by the Agency pursuant to 35 Ill. Adm. Code 832, the composting area of the facility is located within 1/4 mile of the nearest off-site residence or within 1/2 mile of the nearest platted subdivision containing a residence, or if more than 10 residences are located within 1/2 mile of the boundaries of the facility, in order to minimize incompatibility with the character of the surrounding area, landscape waste must be processed by the end of the operating day on which the landscape waste is received into windrows, other piles or a contained composting system providing proper conditions for composting.
- e) The composting area of the facility must be designed to prevent any compost material from being placed within 5 feet of the water table, to adequately control runoff from the site, and to collect and manage any landscape waste leachate that is generated on the site. (Section 39(m) of the Act.) Compliance with the water table distance requirement may be demonstrated by either of the following means:
  - 1) Using published water table maps or other published documentation to establish the location of the water table in relation to site elevation; or
  - 2) Actual measuring of the water table elevation at least once per month for three consecutive months.
- f) The facility must meet all requirements under the Wild and Scenic



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Rivers Act (16 U.S.C. 1271 et seq.).

- g) The facility must not restrict the flow of a 100-year flood, result in washout of landscape waste from a 100-year flood, or reduce the temporary water storage capacity of the 100-year floodplain, unless measures are undertaken to provide alternative storage capacity, such as lagoons, holding tanks, or provision of drainage around structures at the facility.
- h) The facility must not be located in any area where it may pose a threat of harm or destruction to the features for which:
  - 1) An irreplaceable historic or archaeological site has been listed pursuant to the National Historic Preservation Act (16 U.S.C. 470 et seq.) or the Illinois Historic Preservation Act [20 ILCS 3410];
  - 2) A natural landmark has been designated by the National Park Service or the Illinois State Historic Preservation Office; or
  - 3) A natural area has been designated as a Dedicated Illinois Nature Preserve pursuant to the Illinois Natural Areas Preservation Act [525 ILCS 30].
- i) The facility must not be located in any area where it may jeopardize the continued existence of any designated endangered species, result in the destruction or adverse modification of the critical habitat for such species, or cause or contribute to the taking of any endangered or threatened species of plant, fish or wildlife listed pursuant to the Endangered Species Act (16 U.S.C. 1531 et. seq.), or the Illinois Endangered Species Protection Act [520 ILCS 10].

#### Section 830.204 Additional Stormwater and Landscape Waste Leachate Controls at Permitted Landscape Waste Compost Facilities

In addition to the leachate control requirement set forth in Section 830.202(g), all permitted landscape waste compost facilities must comply with the following:

- a) Stormwater or other water which comes into contact with landscape waste received, stored, processed or composted, or which mixes with landscape waste leachate, must be considered landscape waste leachate and must be collected and reused in the process, properly disposed of off-site, or treated as necessary prior to discharge off-site to meet applicable standards of 35 Ill. Adm. Code Subtitle C.
- b) Ponding of landscape waste leachate within the facility must be prevented, except to the extent done by design and approved in the facility permit.
- c) Soil surfaces used for composting must be allowed to dry periodically in order to promote aerobic conditions in the soil subsurface.

#### Section 830.205 Additional Operating Standards for Permitted Landscape Waste Compost Facilities

All permitted landscape waste compost facilities must comply with the following operating standards, in addition to those set forth in Sections 830.202 and

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830.204:

- a) Composting Process
  - 1) All permitted landscape waste compost facilities must meet the following composting process standards:
    - A) Landscape waste must be processed within 24 hours after receipt at the facility into windrows, other piles or a contained composting system providing proper conditions for composting. Incoming leaves, and brush or woody landscape waste, may be stored in designated areas for use as a carbon source and bulking agent, if so provided as a permit condition, rather than being processed in windrows or other piles.
    - B) Unless the facility is designed for anaerobic composting, the operator shall take measures to adjust the oxygen level, as necessary, to promote aerobic composting. Aeration intensity must be altered to suit the varying oxygen requirements that different landscape wastes may have.
    - C) The operator shall take measures to maintain the moisture level of the composting material within a range of 40% to 60% on a dry weight basis.
    - D) The staging area must be adequate in size and design to facilitate the unloading of landscape waste from delivery vehicles and the unobstructed maneuvering of vehicles and other equipment.
    - E) Neither landscape waste nor composting material may be mixed with end-product compost ready to be sold or offered for use. This prohibition shall not apply to the use of end-product compost as an amendment to composting material.
    - F) The facility must have sufficient equipment and personnel to process incoming volumes of landscape waste accepted within the time frames required in this Section, and sufficient capacity to handle projected incoming volumes of landscape waste.
    - G) The operator shall obtain written authorization from the Agency to use any additive, other than water, prior to its use. Unless otherwise authorized any additive, or combination of additives, other than water, must not exceed 10%, by volume, of the composting material.
  - 2) An operator of a permitted landscape waste compost facility using an open composting process shall turn each windrow or other pile at least four times per year and not less than once every six months. This provision does not apply to composting systems designed for anaerobic conditions.
  - 3) An operator of a permitted landscape waste compost facility using a contained composting process shall have mechanisms to control moisture, air flow and air emissions. These mechanisms must be operated and maintained throughout the landscape waste composting process as specified in any permit required pursuant to 35 Ill. Adm. Code 831.

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- 4) Operators of permitted facilities required to process composting material to further reduce pathogens shall comply with the applicable thermal processing requirement among the following:
  - A) If the facility uses a windrow composting process, during a 15 consecutive day period the temperature throughout each windrow must be maintained at 55°C or greater and, during the same period, each windrow must be turned a minimum of 5 times;
  - B) If the facility uses an aerated static pile composting process, the composting material must be covered with 6 to 12 inches of insulating material, and the temperature throughout each pile material must be maintained at 55°C or greater for 3 consecutive days; and
  - C) If the facility uses an in-vessel composting process, the temperature of the composting material throughout the mixture must be maintained at 55°C or greater for 3 consecutive days.
- b) Composting Surface
  - 1) Open Composting Processes
    - A) Composting areas must be:
      - i) located on relatively impermeable soils, as demonstrated by actual measurement;
      - ii) located on a base with resistance to saturated flow equivalent to the resistance of relatively impermeable soil; or
      - iii) subject to an early detection and monitoring program, pursuant to subsection (m)(3) of this Section.
    - B) The composting surface must be constructed and maintained to allow:
      - i) Diversion of runoff waters away from the landscape waste and compost;
      - ii) Management of runoff waters and landscape waste leachate in accordance with Section 830.204; and
      - iii) Facility operation during all weather conditions.
    - C) The surface of the landscape waste composting area of the facility must be sloped at two percent or greater unless an alternative water management system to promote drainage and prevent surface water ponding is approved in the facility permit.
  - 2) Contained Composting Processes
    - A) Composting areas at facilities at which composting material or leachate comes into contact with an open surface must be:
      - i) Located on relatively impermeable soils, as demonstrated by actual measurement;
      - ii) located on a base with resistance to saturated flow equivalent to the resistance of relatively impermeable soil; or
      - iii) Subject to an early detection and groundwater monitoring program, pursuant to subsection (m)(4) of this Section.

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- c) Utilities. All utilities necessary for safe operation in compliance with the requirements of this Part, including, but not limited to, lights, power, water supply and communications equipment, must be available at the facility at all times.
- d) Maintenance. The operator shall maintain and operate all systems and related appurtenances and structures in a manner that facilitates proper operations in compliance with the requirements of this Part. If a breakdown of equipment occurs, standby equipment must be used or additional equipment brought on site as necessary to comply with the requirements of this Part and any pertinent permit conditions.
- e) Open Burning. Open burning is prohibited except in accordance with 35 Ill. Adm. Code 200 through 245.
- f) Dust Control. The operator shall implement methods for controlling dust in accordance with Subparts B and K of 35 Ill. Adm. Code 212.
- g) Noise Control. The facility must be designed, constructed, operated and maintained so as not to cause or contribute to a violation of 35 Ill. Adm. Code 900 through 905 or of Section 24 of the Act.
- h) Vector Control. Insects, rodents, and other vectors must be controlled so as not to cause or contribute to a violation of the Act.
- i) Fire Protection. The operator shall institute fire protection measures including, but not limited to, maintaining a supply of water and radio or telephone access to the nearest fire department. Fire extinguishers must be provided at two separate locations within the facility.
- j) Litter Control. The operator shall control litter at the facility.
  - At a minimum:
    - 1) The operator shall patrol the facility daily to check for litter accumulation. All litter must be collected in a secure container for later disposal; and
    - 2) Litter must be confined to the property on which the facility is located. At the conclusion of each day of operation, any litter strewn beyond the confines of the facility must be collected and disposed of at a facility approved to receive such waste in accordance with the applicable Board regulations.
  - Management of Non-compostable Wastes. The operator shall develop management procedures for collection, containment and disposal of non-compostable wastes received at the facility. Disposal must be at a facility approved to receive such waste in accordance with applicable Board regulations at 35 Ill. Adm. Code 810 through 815.
- k) Mud Tracking. The operator shall implement measures, such as the use of wheel washing units or rumble strips, to prevent tracking of mud by delivery vehicles onto public roadways.
- m) Monitoring
  - 1) At a minimum, for batch, windrow and pile systems:
    - A) The temperature of each batch, windrow or pile of composting material must be monitored on a weekly basis;

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- B) The moisture level in each batch, windrow or pile of composting material must be monitored once every two weeks; and
  - C) For aerobic composting, the oxygen level of each batch, windrow or pile of composting material must be monitored weekly.
- 2) At a minimum, for in-vessel continuous feed systems:
    - A) The temperature of the composting material must be monitored daily;
    - B) The moisture of the composting material must be monitored daily, unless otherwise authorized by the Agency in a facility permit; and
    - C) For aerobic composting by means of an in-vessel continuous feed system, the oxygen level of the composting material must be monitored daily.
  - 3) Early detection and groundwater monitoring, if required pursuant to Section 830.205(b)(1)(A) or Section 830.205(b)(2)(A), shall be done in accordance with 35 Ill. Adm. Code 830. Appendix A.

#### Section 830.206 Operating Plan for Permitted Landscape Waste Compost Facilities

All activities at a permitted facility associated with composting must be conducted in accordance with an operating plan containing, at a minimum, the following information:

- a) Designation of personnel, by title, responsible for operation, control and maintenance of the facility;
- b) A description of the anticipated quantity and variation throughout the year of waste to be received;
- c) Methods for measuring incoming waste;
- d) Methods to control the types of waste received, in accordance with Section 830.209, and methods for removing, recovering and disposing of non-compostables, in accordance with Sections 830.205(k), 830.207 and 830.209;
- e) Methods to control traffic and to expedite unloading in accordance with Section 830.205(a)(1)(D);
- f) Management procedures that will be used in composting, which must include:
  - 1) A description of any treatment the wastes will receive prior to windrowing (e.g., chipping, shredding) and the maximum length of time required to process each day's receipt of waste into windrows;
  - 2) The specifications to which the windrows will be constructed (width, height, and length) and calculation of the capacity of the facility;
  - 3) A list of additives, including the type, amount and origin, that will be used to adjust moisture, temperature, oxygen transfer, pH, carbon to nitrogen ratio, or biological characteristics of the composting material, and rates and methods of application of

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- 4) such additives; and
- 4) An estimate of the length of time necessary to complete the composting process.
- g) Methods to minimize odors. In addition to the requirements specified in 830.202(e), the operating plan must include:
  - 1) A management plan for bad loads;
  - 2) A demonstration that the processing and management of anticipated quantities of landscape waste can be accomplished during all weather conditions;
  - 3) Procedures for receiving and recording odor complaints, investigating immediately in response to any odor complaints to determine the cause of odor emissions, and remedying promptly any odor problem at the facility;
  - 4) Additional odor-minimizing measures, which may include the following:
    - A) Avoidance of anaerobic conditions in the composting material;
    - B) Use of mixing for favorable composting conditions;
    - C) Formation of windrows or other piles into a size and shape favorable to minimizing odors; and
    - D) Use of end-product compost as cover to act as a filter during early stages of composting.
- h) Methods to control stormwater and landscape waste leachate, in accordance with Section 830.204;
- i) Methods to control noise, vectors and litter, in accordance with Section 830.205;
- j) Methods to control dust emissions, in accordance with Section 830.205(f), which must include:
  - 1) Consideration of the following factors prior to turning or moving the composting material:
    - A) Time of day;
    - B) Wind direction;
    - C) Percent moisture;
    - D) Estimated emission potential; and
    - E) Degree of maturity; and
  - 2) Maintenance of roads, wetting of roads, use of dust control agents, or any combination of these methods;
- k) Methods for monitoring temperature, oxygen level and moisture level of the composting material, in accordance with Section 830.205(m);
- l) Methods for adjusting temperature, oxygen level and moisture level of the composting material, in accordance with Section 830.205(a);
- m) Recordkeeping and reporting procedures required pursuant to Section 830.211; and
- n) Methods to obtain composite samples and test end-product compost to demonstrate compliance with Subpart E of this Part.

#### Section 830.207 Salvaging at Permitted Landscape Waste Compost Facilities

- a) Salvaging operations at permitted landscape waste compost facilities



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must not interfere with the operation of the landscape waste facility or result in a violation of any standard in this Part.

b) All salvaging operations must be performed in a safe and sanitary manner in compliance with the requirements of this Part.

c) Salvageable materials:

- 1) May be accumulated on-site by the operator, provided they are managed so as not to create a nuisance, harbor vectors, cause malodors, or create an unsightly appearance; and
- 2) Must not be accumulated in a manner meeting the definition of a waste pile.

**Section 803.208 Access Control at Permitted Landscape Waste Compost Facilities**

The operator of a permitted landscape waste compost facility shall implement controls to limit unauthorized access, in order to prevent random dumping and to ensure safety at the facility.

**Section 830.209 Load Checking at Permitted Landscape Waste Compost Facilities**

- a) Each load received at a permitted landscape waste compost facility must be inspected, upon receipt, for its acceptability at the facility and must be visually checked, prior to processing, for noncompostable waste.
- b) The facility must reject unacceptable loads.

**Section 830.210 Personnel Training for Permitted Landscape Waste Compost Facilities**

- a) The operator of a permitted landscape waste compost facility shall provide training to all personnel prior to initial operation of a composting facility. In addition, annual personnel training shall be provided, which must include, at a minimum, a thorough explanation of the operating procedures for both normal and emergency situations.
- b) New employees shall be trained, prior to participating in operations at the facility, in facility operations, maintenance procedures, and safety and emergency procedures relevant to their employment.
- c) The operator shall have personnel sign an acknowledgement stating that they have received the training required pursuant to this Section.
- d) The facility operating plan required pursuant to Section 830.206 must be made available and explained to all employees.

**Section 830.211 Recordkeeping for Permitted Landscape Waste Compost Facilities**

- a) Copies of the facility permit, design plans, operating plan, and any required reports must be kept at the facility, or at a definite location specified in the operating plan or permit, so as to be available during inspection of the facility.
- b) The operator shall record the following information:
  - 1) The quantity of each load of landscape waste received;

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- 2) The origin, type and quantity of any additive accepted, when received at the facility;
  - 3) The type and quantity of any additive used in the composting process (water added during composting need not be quantified), as quantified based on a monthly review of additives remaining;
  - 4) The dates of turning of each windrow or other pile;
  - 5) All monitoring data required pursuant to a facility permit;
  - 6) Conditions evaluated pursuant to Section 830.206;
  - 7) For any odor complaint received, the information collected pursuant to Section 830.202(m);
  - 8) Details of all incidents that require implementation of the facility's contingency plan, in accordance with Section 830.212, and methods used to resolve them;
  - 9) Records pertaining to sampling and testing, as follows:
    - A) Locations in the composting area from which samples are obtained;
    - B) Number of samples taken;
    - C) Volume of each sample taken;
    - D) Date and time of collection of samples;
    - E) Name and signature of person responsible for sampling;
    - F) Name and address of the laboratory receiving samples, if applicable; and
    - G) Signature of the person responsible for sample analysis.
  - 10) The daily quantity of each type of end-product compost removed from the facility, according to the end-product compost classifications provided in Subpart E of this Part; and
  - 11) Verification that requisite personnel training has been done, in accordance with Section 830.210.
- c) The operator shall keep dated copies of the end-product compost analyses required pursuant to Section 830.504.
- d) The records required pursuant to this Section shall be made available during normal business hours for inspection and photocopying by the Agency. Such records must be kept for a period of three years, subject to extension upon written request by the Agency and automatic extension during the course of any enforcement action relating to the facility. Records must be sent to the Agency upon request.

**Section 830.212 Contingency Plan for Permitted Landscape Waste Compost Facilities**

- a) A contingency plan must be established, addressing the contingencies set forth in Section 830.202(c) and the following additional contingencies:
- 1) Equipment breakdown;
  - 2) Odors;
  - 3) Unacceptable waste delivered to the facility;
  - 4) Groundwater contamination;
  - 5) Any accidental release of special waste; and
  - 6) Conditions such as fires, dust, noise, vectors, power outages and

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unusual traffic conditions.

- b) The facility contingency plan must be available on-site and implemented as necessary.

### Section 830.213 Closure Plan for Permitted Landscape Waste Compost Facilities

- a) A written closure plan must be developed which contains, at a minimum, the following:

- 1) Steps necessary for the premature final closure of the facility under circumstances during its intended operating permit term when the cost of closure would be the greatest;
  - 2) Steps necessary for, and a schedule for the completion of, the routine final closure of the facility at the end of its intended operating life; and
  - 3) Steps necessary to prevent damage to the environment during temporary suspension of landscape waste acceptance if the facility permit allows temporary suspension of landscape waste acceptance at the facility without initiating final closure.
- b) Until completion of closure has been certified, the operator shall maintain a copy of the closure plan at the facility or at a definite location, specified in the facility permit, so as to be available during inspection of the facility.
- c) An operator of a facility shall develop and file a revised closure plan upon modification of the operations of the facility which affect the cost of closure of the facility or any portion thereof, which include, but are not limited to:

- 1) A temporary suspension of landscape waste acceptance at the facility; or
- 2) An increase in the design capacity at the facility to process landscape waste.

- d) The operator shall initiate implementation of the closure plan within 30 days following the beginning of closure.

- e) Not later than 30 days following the beginning of closure, the operator shall post signs, easily visible at all access gates leading into the facility. The text of such signs must read, in letters not less than three inches high: "This facility is closed for all composting activities and all receipt of landscape waste materials. No dumping allowed. Violators will be prosecuted." Such signs must be maintained in legible condition until certification of completion of closure is issued for the facility by the Agency.

- f) Notice of Closure. The operator shall send notice of closure to the Agency within 30 days following the beginning of closure. A compost closure report must be submitted to the Agency, on a form provided by the Agency, which must cover the time elapsed since the end of the last annual report period.

- g) Certificate of Completion of Closure.

- 1) Upon completion of closure, the operator shall prepare and submit to the Agency an affidavit, on a form provided by the Agency, stating that the facility has been closed in accordance with the

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closure plan.

- 2) Upon finding that the facility has been closed in accordance with the closure plan, the Agency shall issue a certificate of completion of closure and shall terminate the facility permit.

- h) The operator of a permitted facility shall maintain financial assurance as provided in Subpart F.

### SUBPART E: QUALITY OF END-PRODUCT COMPOST

#### Section 830.501 Scope and Applicability

- a) End-product compost used as daily cover or vegetative amendment in the final layer of a landfill is exempt from the requirements set forth in this Subpart. (Section 22.33(c) of the Act.)
- b) The provisions set forth in Sections 830.502, 830.503, and 830.507 of this Subpart apply to all end-product compost subject to this Part.
- c) In addition, the provisions set forth in Sections 830.504 and 830.508 apply to all end-product compost derived from landscape waste and subject to this Part.

#### Section 830.502 Compost Classes

For the purpose of this Part, end-product compost must be classified in the following manner:

- a) General Use Compost: End-product compost which meets the standards set forth in Section 830.503.
- b) Designated Use Compost: End-product compost which does not qualify as general use end-product compost. Designated use compost must be used only as daily cover or vegetative amendment in the final layer at a landfill. (Section 22.33(c) of the Act.)

#### Section 830.503 Performance Standards for General Use Compost

General-use compost:

- a) Must be free of any materials which pose a definite hazard to human health due to physical characteristics, such as glass or metal shards;
- b) Must not contain man-made materials larger than four millimeters in size exceeding 1% of the end-product compost, on a dry weight basis;
- c) Must have a pH between 6.5 and 8.5;
- d) Must have reached stability, as demonstrated by one of the methods prescribed in Section 830. Appendix B;
- e) Must not exceed, on a dry weight basis, the inorganic concentrations set forth in Section 830. Table A; and
- f) Must not contain fecal coliform populations that exceed 1000 MPN per gram of total solids (dry weight basis), or Salmonella species populations that exceed 3 MPN per 4 grams of total solids (dry weight basis).

#### Section 830.504 Testing Requirements for End-Product Compost Derived from



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**Landscape Waste**

- a) Operators shall perform testing to demonstrate compliance with the standards set forth in subsections (b) - (e) of Section 830.503. Such testing must be done in accordance with the methods set forth in Section 830.Appendix B, except that an alternative method or methods may be used to demonstrate compliance with any of these standards, if approved in writing by the Agency.
- b) Operators of facilities which are authorized to use an additive pursuant to Section 830.205(a)(1)(G) which may cause an exceedence of Section 830.503(f) shall test for pathogens using the method set forth in Section 830.Appendix B, except that an alternative method or methods may be used to demonstrate compliance with any of these standards, if approved in writing by the Agency.
- c) For any facility not required to have a permit, no testing need be done to demonstrate compliance with the inorganics standards set forth in Section 830.Table A for general use compost derived from landscape waste.
- d) End-product compost derived from landscape waste must be tested for the parameters set forth in Section 830.503 at a frequency of:
  - 1) Once every 5,000 cubic yards of end-product compost transported off-site; or
  - 2) Once per year, if less than 5,000 cubic yards of end-product compost are transported off-site per year.

**Section 830.507 Sampling Methods**

Sample collection, preservation, and analysis must be done in a manner which assures valid and representative results. A composite sample must be prepared by one of the following methods:

- a) Twelve grab samples, each 550 milliliters in size, must be taken from the end-product compost at the facility, in the following manner:
  - 1) Four grab samples from points both equidistant throughout the length and at the center of the windrow or other pile, at a depth not less than one meter from the surface of the windrow or other pile;
  - 2) Four grab samples from points both equidistant throughout the length and one quarter the width of the windrow or other pile, at a depth not less than half the distance between the surface and the bottom of the windrow or other pile; and
  - 3) Four grab samples from points both equidistant throughout the length and one eighth the width of the windrow or other pile, at a depth not less than half the distance between the surface and the bottom of the windrow or other pile.
- 4) The twelve grab samples must be thoroughly mixed to form a homogenous composite sample. Analyses must be of a representative subsample. The sample holding times, sample container types and minimum collection volumes listed in Section 830.Table B shall apply; or

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- b) Sampling methods set forth in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846), incorporated by reference at 35 Ill. Adm. Code 830.103.

**Section 830.508 Off-Specification Compost**

End-product compost derived from landscape waste which does not meet the standards for general use compost set forth in this Subpart must be further managed as landscape waste or as designated use compost.

**SUBPART F: FINANCIAL ASSURANCE****Section 830.601 Scope and Applicability**

- a) This Subpart provides procedures by which the operator of any composting facility required, pursuant to 35 Ill. Adm. Code 831, to have a permit shall demonstrate compliance with the financial assurance plan requirement set forth in Sections 22.33 of the Act.
- b) The operator is not required to comply with the provisions of this Subpart if the operator demonstrates that:
  - 1) Closure and post-closure care plans filed pursuant to 35 Ill. Adm. Code 724, 725, 807 or 811 will result in closure of the facility in accordance with the requirements of this Part; and
  - 2) The operator has provided financial assurance adequate to provide for such closure and post-closure care pursuant to 35 Ill. Adm. Code 724, 725, 807 or 811.

**Section 830.602 Financial Assurance Plan**

The operator shall develop and have at the facility, and submit to the Agency in accordance with 35 Ill. Adm. Code 831.112, a financial assurance plan containing, at a minimum, the following information:

- a) A written cost estimate, determined pursuant to Section 830.603, covering the maximum cost of premature final closure; and
- b) The financial mechanism chosen by the operator to comply with the requirement set forth in Section 830.604(a).

**Section 830.603 Written Cost Estimate**

- a) The written cost estimate required pursuant to Section 830.602(a) must be based on the steps necessary to complete closure in accordance with Section 830.213, and must include an itemization of the cost to complete each step.
- b) The operator shall revise the current cost estimate whenever a change in the closure plan increases the cost estimate.

**Section 830.604 Financial Assurance Fund**



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- a) The operator must maintain financial assurance equal to or greater than the amount provided as a written cost estimate in the financial assurance plan.
- b) The funds comprising financial assurance must be used to cover the cost of closure.
- c) Upon certification of completion of closure, any financial assurance funds remaining will be made available for unrestricted use.

- d) Address and county in which the facility is located; and
- e) A statement certifying compliance with the provisions of this Subpart.

**Section 830.605 Financial Assurance Mechanism**

- a) The operator may utilize either of the following mechanisms to comply with Section 830.604:
  - 1) A cash reserve fund; or
  - 2) Self-insurance.
- b) An operator choosing to use a cash reserve account as the mechanism by which to comply with Section 830.604 shall:
  - 1) Fully fund the account within one year after the initial receipt of waste, except that facilities in operation on the November 10, 1994 shall fully fund the account by November 10, 1995; and
  - 2) Thereafter maintain full funding pending the expenditure of such funds to cover the costs of closure.
- c) An operator choosing to use self-insurance as the mechanism by which to comply with subsection (a) of this Section shall have:
  - 1) Net working capital and tangible net worth each at least six times the current cost estimate;
  - 2) Tangible net worth of at least \$10 million;
  - 3) Assets in the United States amounting to at least 90 percent of the operator's total assets and at least six times the current cost estimate; and
  - 4) Either:
    - A) Two of the following three ratios: a ratio of total liabilities to net worth of less than 2.0; a ratio of the sum of net income plus depreciation, depletion and amortization to total liabilities of greater than 0.1; or a ratio of current assets to current liabilities of greater than 1.5; or
    - B) A current rating of AAA, AA, A or BBB for its most recent bond issuance, as issued by Standard and Poor, or a rating of Aaa, Aa, A or Bbb, as issued by Moody.

**Section 830.606 Financial Assurance Certification**

The operator shall submit to the Agency, by November 10, 1995 and thereafter as part of the annual report, a Composting Facility Financial Assurance Plan Compliance Certification, so titled, which contains the following information:

- a) Operator name;
- b) Illinois Inventory Identification Number and Permit Number assigned by the Agency;
- c) Facility name;

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**Section 830.APPENDIX A: Early Detection and Groundwater Monitoring Program**

The operator of a compost facility subject to the monitoring requirements of 35 Ill. Adm. Code 830.205(b)(1)(A) or 35 Ill. Adm. Code 830.205(b)(2)(A) shall implement an Agency-approved monitoring program using, at a minimum, the procedures and standards set forth in this Appendix.

## a) Program.

- 1) The operator shall perform a hydrogeologic site investigation pursuant to subsection (b) of this Appendix to characterize the subsurface and determine the location and quality of groundwater beneath the facility.
- 2) An appropriate monitoring system must be designed, capable of determining the compost facility's impact or potential impact on the quality of groundwater beneath the facility.
  - a) If the water table is located greater than ten (10) feet below ground surface and the soil has been classified as a soil exhibiting moderate or poor drainage by the U.S. Department of Agriculture's Soil Conservation Service on a published county soil survey map, the owner of operator shall install either an early detection system, pursuant to subsection (d)(1) of this Section, or a groundwater monitoring system, pursuant to subsection (d)(2) of this Section. Otherwise, a groundwater monitoring system must be installed, pursuant to subsection (d)(2) of this Section.
  - 4) If either early detection monitoring or groundwater monitoring indicates an impact on underground water beneath the facility, a site evaluation must be performed, using the procedures set forth in subsection (e) of this Section, and remedial action implemented, if appropriate.
  - 5) The results of the hydrogeologic site investigation and the proposed monitoring system design must be submitted to the Agency as part of an application for a facility permit.
- b) Hydrogeologic Site Investigation. The operator shall conduct a hydrogeologic site investigation to obtain the following information:
  - 1) The regional hydrogeologic setting of the facility, using material available from Illinois scientific surveys, state and federal organizations, water well drilling logs and previous investigations. A complete list of references and any well logs utilized must be submitted to the Agency with the results of the hydrogeologic site investigation;
  - 2) The site-specific hydrogeologic setting of the facility, using continuously sampled borings of the site and information collected from on-site piezometers or monitoring wells. At a minimum, borings must be to a depth of ten (10) feet;
  - 3) Soil characteristics, including soil types and physical properties of the underlying strata, including the potential pathways for contaminant migration. Any confining unit relative to waste constituents expected to be present must be identified;
  - 4) Water-bearing sediments or geologic units beneath the facility,

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their classification pursuant to 35 Ill. Adm. Code 620 and the direction and rate of groundwater flow. Also, regional and local areas of groundwater discharge and recharge affecting groundwater at the facility must be identified; and

- 5) Water quality beneath the facility, including any potential impact on groundwater. The groundwater quality analysis must take into account the type of compost facility and its expected leachate constituents.

- c) All drill holes, including exploration borings that are not converted into monitoring wells, monitoring wells that are no longer necessary to the operation of the facility, and other holes that may cause or facilitate contamination of groundwater, must be sealed in accordance with the standards of 35 Ill. Adm. Code 811.316.

## d) Monitoring System

## 1) Early Detection System

## A) Monitoring device(s) must be installed:

- i) Hydraulically upgradient from the facility or at sufficient distance from the composting area so as not to be affected by it, to establish representative background water quality in the waters beneath (or near) the facility; and
  - ii) Beneath and around the composting area, sufficient to enable early detection of the downward migration of constituents related to the composting activities at the facility.
- B) The parameters monitored must be those expected to be in the leachate, taking into consideration the type of compost facility.
  - C) If lysimeters are utilized, the following requirements must be used in designing an adequate monitoring system:
    - i) Lysimeters must be located, when possible, in a depression in the path of site runoff in each direction of flow and topographically low areas associated with the unit(s).
    - ii) At a minimum, each lysimeter must be sampled within 48 hours after each rain event exceeding 0.5 inches, provided that the rain event is not within two weeks after the date previous samples were successfully collected.
    - iii) Any lysimeter placed around the perimeter must be installed at an angle so that the cup of the lysimeter is beneath the unit(s).

## 2) Groundwater Monitoring System

## A) Monitoring well(s) must be installed:

- i) Hydraulically upgradient from the facility, to establish representative background water quality in the groundwater beneath (or near) the facility; and
- ii) Hydraulically downgradient (i.e., in the direction of decreasing static head) from the compost facility.

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Locations and depths of monitoring wells must ensure detection of waste constituents that migrate from the waste management unit to the groundwater.

- B) The parameters monitored must be those expected to be in the leachate, taking into consideration the type of compost facility.
  - C) The groundwater monitoring system must be installed at the closest practicable distance from the composting area boundary, or at an alternative distance specified by permit.
- 3) Approval of any early detection monitoring system or groundwater monitoring system must be obtained from the Agency prior to operation.

## e) Evaluation

- 1) Further evaluation of an impact to underground water shall be required if:

- A) An exceedence of the appropriate standard as stated in 35 Ill. Adm. Code 620 is confirmed;
- B) A progressive increase in measured parameters other than pH is observed over two consecutive sampling events; or
- C) Where groundwater monitoring wells are used, a statistical increase over background or upgradient concentrations, calculated in accordance with 35 Ill. Adm. Code 811.320(e), is observed.

- 2) An impact as described in subsection (e)(1)(A) or (e)(1)(C) of this Section must be confirmed by resampling the underground water within 30 days after the date on which the first sample analyses are received. The operator shall provide notification to the Agency of the results of the resampling analysis within 30 days after the date on which the sample analyses are received, but no later than 90 days after the first samples were taken.

- 3) Within 60 days after the confirmation of impact but no later than 120 days after the date on which the first sample was taken, the operator shall propose as a permit modification a plan to address the impact, which may include further evaluation of data, including the use of appropriate statistical methods, groundwater monitoring or remedial action.

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## Section 830. APPENDIX B: Performance Test Methods

## a) Man-made materials

- 1) Take four 250 gram samples.
- 2) Dry samples at 70° C for 24 hours. Let sample cool to room temperature (20 to 25° C).
- 3) Weigh each sample and pass through a four millimeter screen. Inspect material remaining on the screen, and separate and weigh man-made materials. Calculate percent man-made materials relative to the total dry weight of the sample prior to screening.

## b) Pathogens

The end product compost must be tested to demonstrate compliance with one of the pathogen reduction standards set forth in Section 830.503(f). Such testing must be done in accordance with Standard Methods for the Examination of Water and Wastewater Part 9221 E or Part 9222 D, incorporated by reference at 35 Ill. Adm. Code 830.103, for fecal coliform, and Standard Methods for the Examination of Water and Wastewater Part 9260 D incorporated by reference at 35 Ill. Adm. Code 830.103, for *Salmonella* sp. bacteria.

## c) pH

The following protocol must be used to determine the pH of the compost: North Central Regional Publication 221, Method 14; or EPA Method 9045 in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846), both incorporated by reference at 35 Ill. Adm. Code 830.103.

## d) Stability

The operator shall demonstrate that the composite sample has reached stability by showing either:

- 1) That the compost does not reheat, upon standing, to greater than 20° C above room temperature (20 to 25° C). The degree of reheating must be measured using the following method:

- A) Take 4 liters of composite sample and adjust the moisture of the end-product compost so it falls within the range of 45 to 55% water on a dry weight basis;

- B) Fill a 2 liter Dewar flask (100 millimeters, inside diameter) loosely with sample within the acceptable moisture range and gently tap to simulate natural settling. Keep at room temperature (20 to 25° C).

- C) Insert thermometer into Dewar flask to a point 5 centimeters from bottom of flask. Do not push thermometer against bottom of flask.

- D) Record time and temperature each day for 15 days to determine when the highest point is reached. After each reading, shake down the thermometer; or

- 2) That the end-product compost supports a germination rate of 70% for annual ryegrass and radish using the following protocol:

- A) Mix 4 liters vermiculite with 4 grams of air-dried soil.

- B) Take 1 liter of the composite sample with a moisture level



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within the range of 45 to 55 percent, on a dry weight basis; if necessary, adjust the moisture level until within such range.

- C) In three 2-liter containers, combine the vermiculite-soil mix with the compost sample at the following ratios:

| Blend              | Vermiculite-Soil Mix<br>(45 to 55% moisture)<br>(dry weight basis)<br>(grams) | Compost<br>(grams) |
|--------------------|---|--------------------|
| A                  | 320   | 960                |
| (75% compost, w/w) |   |                    |
| B                  | 640   | 640                |
| (50% compost, w/w) |   |                    |
| C                  | 1,280   | 0                  |
| (Control)          |   |                    |

- D) Break up lumps of compost with a spatula or trowel. Moisten the blend with water.

- E) Cover each container with plastic wrap and mix well by inverting each container 20 times.

- F) Transfer each blend into four 4-inch pots. Fill the pots to the brim and firm the surface by pressing down with the bottom of another 4-inch pot. Leave about 2 to 5 centimeters of space between surface of the blend and the top of the pot.

- G) Add approximately 50 milliliters of water soluble fertilizer (e.g., 20-20-20 NPK, fish emulsion) diluted to half-strength to each pot.

- H) Place 10 seeds of annual ryegrass and 10 radish seeds onto the surface of the moistened blend. Cover the seeds with about 1 centimeter dry vermiculite.

- I) Set the pots in a tray of warm water and let them remain there until capillary action has drawn water up and moistened the surface of the blend. Remove the pots from the tray when moisture from the bottom-watering is observed.

- J) Put pots in an environment suitable for plant growth (e.g., 8 to 12 hours of light daily, 30 to 60% humidity, 20 to 25° C). Check pots daily to determine if watering is needed. Blends should be kept evenly moist. If necessary, cover each pot with plastic wrap until the seedlings emerge.

- K) Remove plastic wrap at the first sign of emergence. Seven days after planting the seeds, count emergent seedlings in each pot and record visual observations of relative plant conditions identified in Section 830. Table C.

- L) Calculate the percent germination of plants in each blend relative to the control pot, using the formula set forth in Section 830. Table C.

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## Section 830. TABLE A: Inorganic Concentration Limits for General Use Compost

|          | Maximum<br>Concentration Limit<br>(mg/kg dry weight basis) | Test Method<br>(SW-846) |
|----------|--|-------------------------|
| Arsenic  | 41   | 7060 or 7061            |
| Cadmium  | 21   | 7130 or 7131 or 6010    |
| Chromium | 1,200  | 7190 or 7191 or 6010    |
| Copper   | 1,500  | 7210 or 7211 or 6010    |
| Lead     | 300  | 7420 or 7421 or 6010    |
| Mercury  | 17   | 7471                    |
| Nickel   | 420  | 7520 or 6010            |
| Selenium | 36   | 7740 or 7741            |
| Zinc     | 2,800  | 7950 or 7951 or 6010    |

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## Section 830. TABLE B: Sampling and Handling Requirements

| Parameter          | Container Type | Minimum Sample Size (ml) | Preservation        | Maximum Storage Time |
|--------------------|----------------|--------------------------|---------------------|----------------------|
| Man-made materials | P, G           | 1,000                    | Do not freeze       | 28 days              |
| pH                 | P, G           | 50                       | Analyze immediately |                      |
| Seed               | P, G           | 1,000                    |                     | Analyze immediately  |
| Germination        | P, G           | 4,000                    | Analyze immediately |                      |
| Self-heating       | P, G           | 500                      | Cool to 4° C        | 2 weeks              |
| Pathogens          | P(A), G(A)     | 500                      | Cool to 4° C        | 6 months             |
| Inorganic          |                |                          |                     |                      |

P = plastic; G = glass; G(A), P(A) = rinsed with acid cleaning solution (1 part water to 1 part concentrated HNO<sub>3</sub>)

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## Section 830. TABLE C: Seed Germination Record Sheet

Date Test Initiated:  
Date Test Read:

Person responsible for test:

% Germination

Blend

Pot ID

Annual Ryegrass Seedlings

Number of

Radish Seedlings

A A[1]  
A A[2]  
A A[3]  
A A[4]  
B B[1]  
B B[2]  
B B[3]  
B B[4]  
C C[1]  
C C[2]  
C C[3]  
C C[4]

Annual Ryegrass

$$\text{Blend A} = \frac{(A[1] + A[2] + A[3] + A[4])/4 \times 100\%}{(C[1] + C[2] + C[3] + C[4])/4} = \quad \% \text{ Germination}$$

$$\text{Blend B} = \frac{(B[1] + B[2] + B[3] + B[4])/4 \times 100\%}{(C[1] + C[2] + C[3] + C[4])/4} = \quad \% \text{ Germination}$$

Radish

$$\text{Blend A} = \frac{(A[1] + A[2] + A[3] + A[4])/4 \times 100\%}{(C[1] + C[2] + C[3] + C[4])/4} = \quad \% \text{ Germination}$$

$$\text{Blend B} = \frac{(B[1] + B[2] + B[3] + B[4])/4 \times 100\%}{(C[1] + C[2] + C[3] + C[4])/4} = \quad \% \text{ Germination}$$

General Plant Conditions

BLEND A  
Condition

| Pots        | Seedling | Parameter | None | Slight | Moderate | High |
|-------------|----------|-----------|------|--------|----------|------|
| A[1] - A[4] | Ryegrass | Wilting   |      |        |          |      |

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A[1] - A[4] Ryegrass  
 A[1] - A[4] Ryegrass  
 A[1] - A[4] Ryegrass  
 A[1] - A[4] Ryegrass  
 Other Comments:

BLEND B  
 Condition

Pots Seedling  
 B[1] - B[4] Ryegrass  
 B[1] - B[4] Ryegrass  
 B[1] - B[4] Ryegrass  
 B[1] - B[4] Ryegrass  
 Other Comments:

BLEND C  
 Condition

Pots Seedling  
 C[1] - C[4] Ryegrass  
 C[1] - C[4] Ryegrass  
 C[1] - C[4] Ryegrass  
 C[1] - C[4] Ryegrass  
 Other Comments:

General Conclusion on the Stability of the Compost tested:

Chlorosis  
 Discoloration  
 Malodorous  
 Fungal Growth

Parameter None Slight Moderate High

Wilting  
 Chlorosis  
 Discoloration  
 Malodorous  
 Fungal Growth

Parameter None Slight Moderate High

Wilting  
 Chlorosis  
 Discoloration  
 Malodorous  
 Fungal Growth

## COMMISSIONER BANKS AND TRUST COMPANIES

## NOTICE OF PUBLIC INFORMATION

## NOTICE OF PUBLIC MEETING

Notice is hereby given that the State Banking Board of Illinois and the Board of Trustees of the Illinois Bank Examiners' Education Foundation will hold their regularly scheduled meetings on Wednesday, December 14, 1994, at the Office of the Illinois Commissioner of Banks and Trust Companies, 310 South Michigan, Suite 2130, Chicago, Illinois. The meeting of the Board of Trustees of the Illinois Bank Examiners' Education Foundation will begin at 9:30 a.m. The meeting of the State Banking Board of Illinois will begin at 10:30 a.m. The meeting will be open to the public in accordance with the Open Meetings Act, 5 ILCS 120/1-120/6 (1992) [Ill. Rev. Stat. ch. 120, par. 41 (1991)].

This meeting will be accessible to handicapped individuals in compliance with Executive Order #5 and pertinent state and federal laws upon notification of anticipated attendance. Handicapped persons planning to attend and needing special accommodations should contact, either by telephone or by letter, Debra Rath, 500 East Monroe, Springfield, Illinois 62701 or (217)785-2837 to inform of their anticipated attendance.



## COMMISSIONER OF BANKS AND TRUST COMPANIES

## NOTICE OF PUBLIC INFORMATION

NOTICE OF ACCEPTANCE OF AN APPLICATION  
CNB BANKSHARES, INC. EVANSVILLE, INDIANA

## TO ACQUIRE HARRISBURG BANKSHARES, INC. HARRISBURG, ILLINOIS

Pursuant to Section 3.071(d) of the Illinois Bank Holding Company Act of 1957, 205 ILCS 10/3.071(d) (1992), notice is hereby given that the Commissioner of Banks and Trust Companies has accepted for processing an application by CNB Bankshares, Inc., 20 N.W. Third Street, Evansville, Indiana, 47739 to acquire Harrisburg Bankshares, Inc., Two North Vine Street, Harrisburg, Illinois, 62946.

Interested persons who desire to comment on this proposed acquisition may submit their comments in writing no later than 14 days after the publication of this notice to:

Dina A. Mansour  
Commissioner of Banks and Trust Companies  
310 South Michigan Ave.  
Suite 2130  
Chicago, Illinois 60604

## COMMISSIONER OF BANKS AND TRUST COMPANIES

## NOTICE OF PUBLIC INFORMATION

NOTICE OF ACCEPTANCE OF AN APPLICATION  
FIRSTSTAR CORPORATION, MILWAUKEE, WISCONSIN

## TO ACQUIRE FIRST COLONIAL BANKSHARES, CHICAGO, ILLINOIS

Pursuant to Section 3.071(d) of the Illinois Bank Holding Company Act of 1957, 205 ILCS 10/3.071(d) (1992), notice is hereby given that the Commissioner of Banks and Trust Companies has accepted for processing an application by Firststar Corporation, 777 East Wisconsin Avenue, Milwaukee, Wisconsin, 53202 to acquire First Colonial Bankshares Corporation, 30 North Michigan Avenue, Chicago, Illinois, 60602.

Interested persons who desire to comment on this proposed acquisition may submit their comments in writing no later than 14 days after the publication of this notice to:

Dina A. Mansour  
Commissioner of Banks and Trust Companies  
310 South Michigan Ave.  
Suite 2130  
Chicago, Illinois 60604

JOINT COMMITTEE ON ADMINISTRATIVE RULES  
ILLINOIS GENERAL ASSEMBLY

## SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of November 8, 1994 through November 14, 1994, and have been scheduled for review by the Committee at its December 13, 1994 meeting. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rule should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Bldg., Springfield, IL 62706.

| Second Notice Expires | Agency and Rule   | Start of First Notice          | JCAR Meeting |
|-----------------------|---|--------------------------------|--------------|
| 12/23/94              | Department of Central Management Services, Travel (80 Ill Adm Code 2800)  | 8/19/94<br>18 Ill Reg<br>12567 | 12/13/94     |
| 12/23/94              | Department of Central Management Services, Acquisition, Management and Disposal of Real Property (44 Ill Adm Code 5000)                                 | 4/1/94<br>18 Ill Reg<br>5057   | 12/13/94     |
| 12/28/94              | Department of Conservation, Consultation Procedures for Assessing Impacts of Agency Actions on Endangered and Threatened Species (17 Ill Adm Code 1075) | 9/23/94<br>18 Ill Reg<br>14259 | 12/13/94     |

## PROCLAMATIONS

94-629

## DR. FRANCESCO DEL GRECO DAY

Whereas, the Women's Board of the National Kidney Foundation of Illinois is holding its annual conference on November 5, 1994; and

Whereas, in 1958, Dr. Francesco Del Greco came to the United States to study with the doctor who invented the artificial kidney machine and learn the use of the machine; and

Whereas, he treated patients at one institution and then trained staff at other institutions; and

Whereas, he and his team proved to the government that dialysis was a feasible long-term treatment for kidney failure and this information paved the way for government funding to pay for dialysis treatment; and

Whereas, Dr. Greco's study, teaching, and research has given many patients the time to wait for the gift of life;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 5, 1994, as DR. FRANCESCO DEL GRECO DAY in Illinois.

Issued by the Governor November 1, 1994.

Filed with the Secretary of State November 10, 1994.

94-630

## MICKEY HOLZMAN DAY

Whereas, the Women's Board of the National Kidney Foundation of Illinois is holding its annual conference on November 5, 1994; and

Whereas, Mickey Holzman has lived with kidney disease most of his life; and

Whereas, since his transplant on July 17, 1985, he has made every effort to live his life to the fullest; and

Whereas, he works tirelessly for Carpenter's Local 1539 and counsels people waiting for transplants in his spare time; and

Whereas, he also raises funds for organizations like the National Kidney Foundation of Illinois and even helped raise money for a dialysis center in Israel; and

Whereas, Mickey always says, "It takes guts to live here. Anybody can die," and he lives by this phrase;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 5, 1994, as MICKEY HOLZMAN DAY in Illinois and salute him for making his life a gift for others.

Issued by the Governor November 1, 1994.

Filed with the Secretary of State November 10, 1994.

94-631

## DR. ROBERT KARK DAY

Whereas, the Women's Board of the National Kidney Foundation of Illinois is holding its annual conference on November 5, 1994; and

Whereas, Dr. Robert Kark is honored for pioneering the technique of pretranscure kidney biopsy which is central to nephrology; and

Whereas, his inspired and thorough approach to renal pathology has allowed for better treatment of kidney disease and for the tremendous development of

nephrology as a subspecialty;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 5, 1994, as DR. ROBERT KARK DAY in Illinois and salute him for the gift of a lifetime of work.

Issued by the Governor November 2, 1994.

Filed with the Secretary of State November 10, 1994.

#### 94-632

##### ILLINOIS PARALEGAL ASSOCIATION AND PARALEGAL/LEGAL ASSISTANT DAY

Whereas, paralegals aid in the efficient delivery of legal service to the public; and

Whereas, the Illinois Paralegal Association, the first professional paralegal organization in Illinois, was established in November 1972 in response to the growing need for an organized professional association for paralegals; and

Whereas, the Illinois Paralegal Association promotes and maintains high standards in the paralegal profession and offers and encourages continuing education for paralegals; and

Whereas, the Illinois Paralegal Association establishes and maintains mutually beneficial working relationships with other paralegal organizations and with local, state, and national bar associations; and

Whereas, Wednesday, November 9, 1994, marks the celebration of the 22nd anniversary of the association;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 9, 1994, as ILLINOIS PARALEGAL ASSOCIATION AND PARALEGAL/LEGAL ASSISTANT DAY in Illinois.

Issued by the Governor November 3, 1994.

Filed with the Secretary of State November 10, 1994.

#### 94-633

##### PARALYZED VETERANS OF AMERICA RECOGNITION DAY

Whereas, since 1983, the President of the United States has declared Paralyzed Veterans of America Recognition Day; and

Whereas, the President and Congress chose to honor those veterans who not only sustained spinal cord injury or diseases during war time, but also during peace time service in this nation's armed forces; and

Whereas, the Paralyzed Veterans of America, a veterans service and disabled advocate organization, was founded in 1946 by 16 paraplegics; and

Whereas, since that beginning, it has grown to a membership of more than 20,000 and provides multiple disciplinary services to veterans and disabled alike in areas of legislation, advocacy, research, sports, scholarships, and representation before the Veterans Administration;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 10, 1994, as PARALYZED VETERANS OF AMERICA RECOGNITION DAY in Illinois.

Issued by the Governor November 3, 1994.

Filed with the Secretary of State November 10, 1994.

#### 94-634

##### COMMUNITY EDUCATION DAY

Whereas, the resources available to meet educational need and solve community problems are limited; and

Whereas, businesses, schools, government and private agencies, civic organizations, religious groups, and community members can in partnership address these needs and find long-term solutions to these problems; and

Whereas, the citizens of Illinois are committed to helping residents become fully and responsibly involved in community life; and

Whereas, community education is devoted to helping people help themselves and building the learning communities that will promote sustainability; and

Whereas, the theme of National Community Education Day in 1994 is "Together: Communities Creating a Sustainable Future;"

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 15, 1994, as COMMUNITY EDUCATION DAY in Illinois and call upon the efforts of our schools and communities to address the needs of all community members so that everyone, including the generations to come, will have a chance for a better and more productive life.

Issued by the Governor November 4, 1994.

Filed with the Secretary of State November 10, 1994.

#### 94-635

##### AMERICAN LEGION AUXILIARY DAY

Whereas, the American Legion Auxiliary, the nation's largest and most influential women's organization, marks its 75th birthday November 10, 1994; and

Whereas, the approximately 12,000 local units of the American Legion Auxiliary continue to serve our nation as volunteers in a variety of worthy efforts; and

Whereas, the citizens of Illinois appreciate the many community projects undertaken by the women of the American Auxiliary Department of Illinois; and

Whereas, this devoted service continues to benefit a diverse public through a variety of programs that touch their fellow members, their families, and the children of Illinois; and

Whereas, the volunteer spirit of the members of the American Legion Auxiliary Department of Illinois is fitting of recognition by all citizens of Illinois;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 10, 1994, as AMERICAN LEGION AUXILIARY DAY in Illinois in honor of their 75th birthday and commend the volunteerism, community spirit, and dedication of the women of the American Legion Auxiliary as outstanding examples of commitment to their community.

Issued by the Governor November 7, 1994.

Filed with the Secretary of State November 10, 1994.

#### 94-636

##### GERMAN CARNIVAL DAY

Whereas, on November 11, 1994, at the 11th hour, 11th minute and 11th second, Carnival season officially begins and Prince Kurt R. Nolden II and Princess Elfi Nolden I will be crowned for the 1995 Carnival season; and

Whereas, under the leadership of Joe Matuschka, president, der Rheinischer Verein Von, Chicago will celebrate Carnival as it has for 105 years; and

Whereas, the tradition of Carnival is several hundred years old and dates



back to Medieval times. In many areas it is also known as Fasching, Fastnacht or Mardi Gras. There are many legends as to how Carnival got it start; and Whereas, the celebration of Carnival is an important way to carry on the German tradition and culture in America; and Whereas, German-Americans, the largest ethnic group in Illinois, have contributed much to the state in the areas of art, education, science, culture and business;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 11, 1994, as GERMAN CARNIVAL DAY in Illinois.

Issued by the Governor November 7, 1994.  
Filed with the Secretary of State November 10, 1994.

94-637

## KENNETH G. CLOUD DAY

Whereas, Kenneth G. Cloud is an Illinois native with roots on Chicago's South Side and has served his community and country well; and

Whereas, Mr. Cloud has served the federal government for more than 29 years with the Drug Enforcement Administration and its predecessor agencies; and

Whereas, Mr. Cloud serves as Special Agent in Charge and is responsible for North Dakota, Minnesota, Wisconsin, Indiana, and the northern and central judicial districts of Illinois; and

Whereas, for two years he was the Headquarters Enforcement Chief of Staff for Europe and the Middle East and has served his state and country in an honorable fashion;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 10, 1994, as KENNETH G. CLOUD DAY in Illinois and wish him the best of luck in his future endeavors.

Issued by the Governor November 7, 1994.  
Filed with the Secretary of State November 10, 1994.

94-638

## VETERANS DAY

Whereas, Glenn Bischoff, a World War II veteran, served his country well from 1941 to 1945; and

Whereas, Glenn Bischoff, a 49-year resident of Harvey, Illinois, spent many of those years working for the community, speaking up for veterans and children; and

Whereas, Glenn Bischoff spearheaded the veterans memorial installed in front of City Hall; and

Whereas, David Johnson, the mayor of Harvey, presented a resolution to the city for adoption that detailed the contributions Glenn Bischoff made to the community; and

Whereas, Glenn Bischoff was a member of the American Legion, Veterans of Foreign Wars, Military Order of the Purple Heart, Disabled American Veterans, National Order of Trench Rats, Jewish War Veterans, and Society of the 3rd Infantry Division;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 11, 1994, as VETERANS DAY in Illinois and wish to recognize the many accomplishments of Glenn Bischoff.

Issued by the Governor November 7, 1994.  
Filed with the Secretary of State November 10, 1994.

94-639

## WINTER STORM PREPAREDNESS WEEK

Whereas, Illinois is subject to severe winter storms; and Whereas, our best defense against winter storms is to be adequately prepared both at home and in the automobile; and

Whereas, the Illinois Emergency Management Agency (IEMA), the Illinois State Police, the Illinois Department on Aging, the Illinois Department of Insurance, the Office of the State Fire Marshal, the Illinois Department of Public Health, the Illinois Department of Transportation, the State Board of Education, the University of Illinois Cooperative Extension Service, the National Weather Service, the American Red Cross, and county and municipal emergency services and disaster agencies throughout the state have developed a program that provides storm warnings, highway maintenance and safety, and emergency sheltering; and

Whereas, volunteer agencies play an important role in providing aid to storm-displaced persons; and

Whereas, the above agencies, departments, and organizations through the IEMA Family Protection Program combine efforts focusing on all levels of government and the most basic unit of society -- the family -- to implement emergency planning to contend with the deadly effects of winter storms;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim November 13-19, 1994, as WINTER STORM PREPAREDNESS WEEK in Illinois and strongly urge all Illinois residents to become familiar with the hazards of winter storms and to formulate or refine preparedness plans at the work place and at home in order to minimize deaths and injuries from the devastating effects of winter storms.

Issued by the Governor November 7, 1994.  
Filed with the Secretary of State November 10, 1994.

| ACTION CODES                             |  |
|--|--|
| A - Adopted Rule                         | P - Proposed Rule                      |
| AR - Adopted Repealer                    | PR - Prohibited Filing Order by JCAR*  |
| C - Notice of Corrections                | PP - Peremptory or Court Ordered Rules |
| CC - Codification Changes                | PR - Proposed Repealer                 |
| E - Emergency Rule                       | R - Refusal to meet JCAR* Objection    |
| ER - Emergency Repealer                  | RC - Statement of Recommendation       |
| M - Modification to meet JCAR*           | S - Suspension ordered by JCAR*        |
| Objections                               | W - Withdrawal to meet JCAR*           |
| O - JCAR* Statement Of Objections        | Objections                             |
| RQ - Request for Correction              | MR - Modification and Refusal          |
| EC - Expedited Corrections               |  |
| *Joint Committee on Administrative Rules |  |

ALL RULES ARE LISTED BY PART NUMBER AND HEADING ONLY. (FOR ACTION ON SPECIFIC SECTIONS, PLEASE REFER TO THE SECTIONS AFFECTED INDEX.) IF THERE ARE ANY QUESTIONS, PLEASE CONTACT THE ADMINISTRATIVE CODE DIVISION AT (217) 782-7017.

|                                   |   |
|-----------------------------------|---|
| <b>AGING, DEPARTMENT ON</b>       |   |
| 89 Ill. Adm. Code 240             | Community Care Program (P-14225/93;A-609) (E-5355) (P-5027) (A-13375)       |
| 89 Ill. Adm. Code 260             | Long-Term Care Insurance Partnership Demonstration Program (P-3802; A-9895) |
| 89 Ill. Adm. Code 230             | Older Americans Act Program (P-5720) (A-14072)                              |
| <b>AGRICULTURE, DEPARTMENT OF</b> |   |
| 8 Ill. Adm. Code 30               | Animal Control Act (P-8972) (A-14891)                                       |
| 8 Ill. Adm. Code 110              | Animal Diagnostic Laboratory Act (P-14717/93;A-1825) (P-8981) (P-9027)      |
| 8 Ill. Adm. Code 25               | Animal Welfare Act (P-8993) (A-14898)                                       |
| 8 Ill. Adm. Code 75               | Bovine Brucellosis (P-14728/93;A-1833)                                      |
| 8 Ill. Adm. Code 257              | Cooperative Groundwater Protection Program (P-14288/93; A-205)              |
| 8 Ill. Adm. Code 20               | Definitions (P-14793;A-1844)  |
| 8 Ill. Adm. Code 85               | Diseased Animals (P-14747/93;A-1850)  |
| 8 Ill. Adm. Code 116              | Equine Infectious Anemia Control (P-14761/93;A-1861)                        |
| 68 Ill. Adm. Code 590             | Feeder Swine Dealer Licensing (P-14765/93;A-1865)                           |
| 8 Ill. Adm. Code 70               | Horsemeat (P-9003) (A-14906)  |
| 8 Ill. Adm. Code 35               | Humane Care for Animals Act (P-9008) (A-14909)                              |
| 8 Ill. Adm. Code 50               | Humane Slaughter of Livestock (P-9011) (A-14911)                            |
| 8 Ill. Adm. Code 90               | Illinois Dead Animal Disposal Act (A-14917)                                 |

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| 8 Ill. Adm. Code 270  | Illinois State Fair and DuQuoin State Fair, Non-Fair Space Rental and the General Operation of the State Fairgrounds (P-3164;A-9400)        |
| 8 Ill. Adm. Code 40   | Livestock Auction Markets (P-14769/93;A-1869)   |
| 68 Ill. Adm. Code 610 | Livestock Dealer Licensing (P-14775/93;A-1875)  |
| 8 Ill. Adm. Code 125  | Meat and Poultry Inspection Act (PP-304) (PP-2164) (P-3809;A-4622) (PP-6442) (PP-8493) (A-11489) (PP-12540) (PP-14475) (A-14924) (PP-15452) |
| 8 Ill. Adm. Code 515  | Refrigerated Warehouse Act (P-9033) (A-14930)   |
| 8 Ill. Adm. Code 105  | Swine Disease Control & Eradication Act (P-14781/93;A-1880) (P-13519)   |
| 8 Ill. Adm. Code 600  | Weights and Measures Act (E-4426) (A-8519) (A-14692)  |

**ALCOHOLISM AND SUBSTANCE ABUSE, DEPARTMENT OF**  
77 Ill. Adm. Code 2090 Subacute Alcoholism and Substance Abuse Treatment Services (P-5029) (C-8731) (A-14223)

**ATTORNEY GENERAL**  
14 Ill. Adm. Code 200 Franchise Disclosure Act (PP-2522)

**AUDITOR GENERAL**  
2 Ill. Adm. Code 601 Freedom of Information (A-7739)  
2 Ill. Adm. Code 600 Public Information, Rulemaking, Organization and Personnel (A-6404) (AR-6440)

**BANKS AND TRUST COMPANIES, COMMISSIONER OF**  
38 Ill. Adm. Code 380 Eligible State Bank (P-19347/93;A-4630)  
38 Ill. Adm. Code 335 Unimpaired Capital & Unimpaired Surplus (E-11662) (P-13169)

**CARNIVAL-AMUSEMENT SAFETY BOARD**  
56 Ill. Adm. Code 6000 Carnival and Amusement Park Inspection Law (P-6040) (A-13384)

**CENTRAL MANAGEMENT SERVICES, DEPARTMENT OF**  
44 Ill. Adm. Code 5000 Acquisition, Management & Disposal of Real Property (P-15217/93;A-1886) (P-5057)  
74 Ill. Adm. Code 900 Joint Rules Of The Comptroller & The Department Of Central Management Services: Prompt Payment (A-11498)

80 Ill. Adm. Code 302 Merit & Fitness (P-14788/93;A-1892) (P-12937)  
80 Ill. Adm. Code 310 Pay Plan (P-13657/93;P-14314;A-227;A-1107) (P-21233/93;A-5146) (PP-9562) (P-10979) (E-11299) (P-12008) (PP-13476) (P-14256) (E-14417) (R-16042) (P-16490) (A-16545) (PP-16708)

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| 80 Ill. Adm. Code 2650<br>80 Ill. Adm. Code 2800 | Solicitation for Charitable Payroll Deductions (A-3115) (RC-3151)<br>Travel (P-12567) | State Universities Civil Service System (P-18453/93;A-1901) |
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**CHILDREN AND FAMILY SERVICES, DEPARTMENT OF**

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| 89 Ill. Adm. Code 325<br>89 Ill. Adm. Code 336<br>89 Ill. Adm. Code 434<br>89 Ill. Adm. Code 380<br>89 Ill. Adm. Code 385<br>89 Ill. Adm. Code 358<br>89 Ill. Adm. Code 305<br>89 Ill. Adm. Code 431 | Administration of Psychotropic Medications to Children for Whom the Department of Children and Family Services is Legally Responsible (P-8765)<br>Appeal Of Child Abuse And Neglect Investigation Findings (P-11407)<br>Audits, Reviews and Investigations (P-7115/93;A-6697) (P-8777) (E-8944)<br>Background Check of Foster Family Home Applicants (PR-8779)<br>Background Checks (P-8219)<br>Background Inquiry for Purchase of Service Providers (PR-8786)<br>Client Service Planning (P-6467)<br>Confidentiality of Personal Information of Persons Served by the Department (P-7554) (CC-7951) | Commerce and Community Affairs, Department of<br>Emergency Shelter Grants Program (P-15747/93;A-5163)<br>Enterprise Zone Program (P-3791/93;A-5172)<br>Ill. Promotion Act Programs (P-14318/93;A-5813) (P-21905/93;A-8387)<br>Illinois Small Business Development Program (P-21123/93;A-6112)<br>Industrial Training Program (P-20063/93;RQ-6022)<br>Labor-Management Program (P-9667) (A-16564)<br>Local Tourism And Convention Bureau Program (P-14189)<br>Pay-Per-Call Services (P-7156)<br>Public Infrastructure Loan & Grants Programs (P-19352/93;A-8398)<br>Service Delivery System & State Responsibilities (P-805; A-9902)<br>Small Business Impact Analysis Procedures (CC-9934) |
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| 89 Ill. Adm. Code 428<br>89 Ill. Adm. Code 437<br>89 Ill. Adm. Code 384<br>89 Ill. Adm. Code 314<br>89 Ill. Adm. Code 406<br>89 Ill. Adm. Code 402<br>89 Ill. Adm. Code 408<br>89 Ill. Adm. Code 308<br>89 Ill. Adm. Code 356<br>89 Ill. Adm. Code 335<br>89 Ill. Adm. Code 300 | Department Advisory Council, Ill. Juvenile Commission & OtherStatewide & Regional Committees (P-561)<br>Department of Children and Family Services Employees Conflict of Interest (P-7539)<br>Discipline & Behavior Management in Child Care Facilities (E-8474) (P-8528)<br>Educational Services (P-17593/93; A-8366)<br>Licensing Standards for Day Care Homes (P-2683) (P-11964/93;A-5531) (RC-3152)<br>Licensing Standards for Foster Family Homes (P-8237; RC-10499) (E-8481)<br>Licensing Standards for Group Day Care Homes (P-2700) (P-11976/93;A-5540) (RC-3153)<br>Nondiscrimination Requirements Of Department Service Providers (A-11510)<br>Rate Setting (A-11512)<br>Relative Home Placements (P-6681/93;A-7444) (E-14436) (P-16892)<br>Reports of Child Abuse & Neglect (P-18271/93;A-8377) (P-8240)<br>(P-15218/93;A-8601) | Technology Advancement & Development Act Program (P-839;A-8415) (P-11411)<br>Uniform Fiscal & Administrative Standards for the Job Training Partnership Act (P-855; A-9935) |
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**COMMERCE COMMISSION, ILLINOIS**

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| 92 Ill. Adm. Code 1376<br>92 Ill. Adm. Code 1202<br>83 Ill. Adm. Code 791<br>92 Ill. Adm. Code 1205<br>92 Ill. Adm. Code 1425<br>83 Ill. Adm. Code 792<br>83 Ill. Adm. Code 790<br>83 Ill. Adm. Code 535<br>83 Ill. Adm. Code 590<br>83 Ill. Adm. Code 770<br>83 Ill. Adm. Code 772<br>83 Ill. Adm. Code 315 | Accounting & Financial Record Requirements (P-8630/93;A-1914)<br>Applications (E-14157)<br>Cost Of Service (P-13551)<br>Fees And Taxes (A-11155) (E-16464)<br>Financial Responsibility Of Carriers (A-11162)<br>Imputation (P-11988/93;A-1919)<br>Interconnection (P-19354/93;A-6147)<br>Least-Cost Planning for Natural Utilities (PR-6081)<br>Minimum Safety Standards for Transportation of Gas Pipeline Facilities (P-2720) (A-11518)<br>Operator Service Providers (P-6099) (RC-12065) (A-13053)<br>Pay-Per-Call Services (A-15723)<br>Pole Attachment Rates, Terms & Conditions Applicable to Cable Television Companies, Electric Utilities & Telecommunications Carriers (P-202/93;A-676; M-795) | Commerce and Community Affairs, Department of<br>Emergency Shelter Grants Program (P-15747/93;A-5163)<br>Enterprise Zone Program (P-3791/93;A-5172)<br>Ill. Promotion Act Programs (P-14318/93;A-5813) (P-21905/93;A-8387)<br>Illinois Small Business Development Program (P-21123/93;A-6112)<br>Industrial Training Program (P-20063/93;RQ-6022)<br>Labor-Management Program (P-9667) (A-16564)<br>Local Tourism And Convention Bureau Program (P-14189)<br>Pay-Per-Call Services (P-7156)<br>Public Infrastructure Loan & Grants Programs (P-19352/93;A-8398)<br>Service Delivery System & State Responsibilities (P-805; A-9902)<br>Small Business Impact Analysis Procedures (CC-9934)<br>Technology Advancement & Development Act Program (P-839;A-8415) (P-11411)<br>Uniform Fiscal & Administrative Standards for the Job Training Partnership Act (P-855; A-9935) |
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**CIVIL SERVICE COMMISSION**

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| 80 Ill. Adm. Code 1 | Civil Service Commission (P-13525) |
|---------------------|------------------------------------|

**CIVIL SERVICE SYSTEM, STATE UNIVERSITIES**



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| 83 Ill. Adm. Code 280                                      | Procedures for Gas, Electric, Water & Sanitary Sewer Utilities Governing Eligibility for Service, Deposits, Payment Practices & Discontinuance of Service (P-918)   |
| 83 Ill. Adm. Code 735                                      | Procedures Governing the Establishment of Credit, Billing, Deposits, Termination of Service & Issuance of Telephone Directories for Telephone Utilities in the State of Illinois (P-927) (P-12483;A-4146) |
| 83 Ill. Adm. Code 525                                      | Purchased Gas Adjustment Clause (P-15478) (P-15484)   |
| 92 Ill. Adm. Code 1236                                     | Reinstatement of Revoked Operating Authority (P-8635/93;A-1924)   |
| 92 Ill. Adm. Code 1710                                     | Relocation Towing (P-21257/93;A-8609) (EC-13499) (EC-15646)   |
| 83 Ill. Adm. Code 200                                      | Rules and Practices (P-22117/93;A-7748)   |
| 83 Ill. Adm. Code 285                                      | Standard Information Requirements for Electric, Gas, Water & Sewer Utilities & Telecommunications Carriers in Filing for an Increase in Rates (P-2723) (A-10684)  |
| 83 Ill. Adm. Code 410                                      | Standards of Service For Electric Utilities (P-14521)   |
| 83 Ill. Adm. Code 425                                      | Uniform Electric Fuel Adjustment (P-4483) (P-15473)   |
| 92 Ill. Adm. Code 1375                                     | Uniform System of Accounts (P-8635/93;A-1927)   |
| 83 Ill. Adm. Code 415                                      | Uniform System of Accounts for Electric Utilities (P-937) (P-4490) (A-10692)  |
| 83 Ill. Adm. Code 505                                      | Uniform System of Accounts for Gas Utilities (P-946) (A-10701)  |
| <b>COMMUNITY COLLEGE BOARD, ILLINOIS</b>                   |   |
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This Sections Affected Index lists, by title, each Section of a Part on which Rule Making has occurred in this volume (calendar year) of the Illinois Register. The columns indicate the type of rulemaking activity and the action taken along with the page number on which the first page of the notice of rulemaking activity appeared. If a Section on which action is being taken in the current volume of the Register is proposed in a previous volume, the last two digits of the previous volume's year appear immediately after the page number separated by a slash. (e.g., 11 Ill. Adm. Code 465.115 was proposed last year and adopted this year. The action entry reads: (P-15655/93; A-6520). The codes are listed below.

## TYPE OF RULE MAKING

am = amend to existing Section  
cc = codification changes  
n = New section  
r = repeal of existing Section  
re = recodified  
# = renumbered

## ACTION CODE

A = Adopted Rule  
E = Emergency  
P = Proposed Rule  
PP = Peremptory  
M = Modification  
W = Withdrawal  
CC = Codification Changes  
RQ = Request for Correction  
R = Refusal  
PF = Prohibited Filing  
S = Suspension  
O = JCAR Objection  
F = Failure to Remedy Objections  
RC = Recommendations  
EC = Expedited Correction  
C = Correction

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## TITLE 1

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| 100.100 | am | (P-7087;A-13067) | 100.735       | am | (P-7087;A-13067)    | 220.500  | am | (P-13307/93;A-4758)          |
| 100.110 | am | (P-7087;A-13067) | 100.740       | am | (P-7087;A-13067)    | 220.600  | am | (P-13307/93;A-4758)          |
| 100.140 | am | (P-7087;A-13067) | 100.810       | am | (P-7087;A-13067)    | 220.700  | am | (P-13307/93;A-4758)          |
| 100.150 | am | (P-7087;A-13067) | 100.815       | am | (P-7087;A-13067)    | 220.760  | am | (P-13307/93;A-4758)          |
| 100.160 | am | (P-7087;A-13067) | 100.820       | am | (P-7087;A-13067)    | 220.780  | am | (P-13307/93;A-4758)          |
| 100.180 | am | (P-7087;A-13067) | 100.900       | am | (P-7087;A-13067)    | 220.800  | am | (P-13307/93;A-4758)          |
| 100.200 | am | (P-7087;A-13067) | 100.1000      | am | (P-7087;A-13067)    | 220.900  | am | (P-13307/93;A-4758)          |
| 100.220 | am | (P-7087;A-13067) | 100.1010      | am | (P-7087;A-13067)    | 220.950  | am | (P-13307/93;A-4758)          |
| 100.225 | am | (P-7087;A-13067) | 100.1020      | am | (P-7087;A-13067)    | 220.1000 | am | (P-13307/93;A-4758)          |
| 100.240 | am | (P-7087;A-13067) | 100.1025      | am | (P-7087;A-13067)    | 220.1100 | am | (P-13307/93;A-4758)          |
| 100.260 | am | (P-7087;A-13067) | 100.1030      | am | (P-7087;A-13067)    | 220.1150 | am | (P-13307/93;A-4758)          |
| 100.280 | am | (P-7087;A-13067) | 100.1100      | am | (P-7087;A-13067)    | 220.1200 | am | (P-13307/93;A-4758)          |
| 100.270 | am | (P-7087;A-13067) | 100.1110      | am | (P-7087;A-13067)    | 220.1250 | am | (P-13307/93;A-4758)          |
| 100.280 | am | (P-7087;A-13067) | 100.1115      | am | (P-7087;A-13067)    | 220.1300 | am | (P-13307/93;A-4758)          |
| 100.300 | am | (P-7087;A-13067) | 100.1120      | am | (P-7087;A-13067)    | 220.Ex.B | am | (P-13307/93;A-4758)          |
| 100.315 | am | (P-7087;A-13067) | 100.1130      | am | (P-7087;A-13067)    | 220.Ex.B | am | (P-13307/93;A-4758)          |
| 100.330 | am | (P-7087;A-13067) | 100.1140      | am | (P-7087;A-13067)    | 220.Ex.C | am | (P-13307/93;A-4758)          |
| 100.335 | am | (P-7087;A-13067) | 100.1150      | am | (P-7087;A-13067)    | 220.Ex.E | am | (P-13307/93;A-4758)          |
| 100.380 | am | (P-7087;A-13067) | 100.1200      | am | (P-7087;A-13067)    | 220.Ex.E | am | (P-13307/93;A-4758)          |
| 100.390 | am | (P-7087;A-13067) | 100.1210      | am | (P-7087;A-13067)    | 220.Ex.G | am | (P-13307/93;A-4758)          |
| 100.400 | am | (P-7087;A-13067) | 100.Ap.E.II.A | am | (P-7087;A-13067)    | 220.Ex.G | am | (P-13307/93;A-4758)          |
| 100.410 | am | (P-7087;A-13067) | 100.Ap.E.II.C | am | (P-7087;A-13067)    | 220.Ex.I | am | (P-13307/93;A-4758)          |
| 100.430 | am | (P-7087;A-13067) | 100.Ap.E.II.D | am | (P-7087;A-13067)    | 220.Ex.I | am | (P-13307/93;A-4758)          |
| 100.450 | am | (P-7087;A-13067) | 210.          | re | (A-7497)            | 255.10   | n  | (E-5359)(P-8792;<br>A-13063) |
| 100.500 | am | (P-7087;A-13067) | 210.100       | am | (P-13268/93;A-4739) | 255.20   | n  | (E-5359)(P-8792;<br>A-13063) |
| 100.510 | am | (P-7087;A-13067) | 210.200       | am | (P-13268/93;A-4739) | 255.20   | re | (A-7498)                     |
| 100.530 | am | (P-7087;A-13067) | 210.300       | am | (P-13268/93;A-4739) | 230.100  | am | (P-13223/93;A-1233)          |
| 100.540 | am | (P-7087;A-13067) | 210.400       | am | (P-13268/93;A-4739) | 230.100  | am | (P-13223/93;A-1233)          |
| 100.545 | am | (P-7087;A-13067) | 210.500       | am | (P-13268/93;A-4739) | 230.200  | am | (P-13223/93;A-1233)          |
| 100.550 | am | (P-7087;A-13067) | 220           | re | (CC-7500)           | 230.200  | am | (P-13223/93;A-1233)          |
| 100.550 | am | (P-7087;A-13067) | 220.100       | am | (P-13307/93;A-4758) | 230.300  | am | (P-13223/93;A-1233)          |
| 100.600 | am | (P-7087;A-13067) | 220.150       | am | (P-13307/93;A-4758) | 230.350  | am | (P-13223/93;A-1233)          |
| 100.610 | am | (P-7087;A-13067) | 220.200       | am | (P-13307/93;A-4758) | 230.375  | am | (P-13223/93;A-1233)          |
| 100.640 | am | (P-7087;A-13067) | 220.250       | am | (P-13307/93;A-4758) | 230.400  | am | (P-13223/93;A-1233)          |
| 100.655 | am | (P-7087;A-13067) | 220.275       | am | (P-13307/93;A-4758) | 230.450  | am | (P-13223/93;A-1233)          |
| 100.660 | am | (P-7087;A-13067) | 220.275       | am | (P-13307/93;A-4758) |          |    |                              |

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| 25,130         | am | (P-8993/A-14898)    | 257,120 | n  | (P-14288/93/A-205) | 100,150 | am | (P-20094/93/A-4811) | 433,46  | am | (P-137/A-7433)   | 1422,120 | am | (P-15799/93/A-2098) | 180,12  | am | (P-18793/93/A-2101) |
| 25,140         | am | (P-8972/A-14891)    | 257,30  | n  | (P-14288/93/A-205) | 100,160 | am | (P-20094/93/A-4811) | 438,20  | r  | (P-2841/A-7433)  | 1440,10  | n  | (P-15799/93/A-2098) | 200,20  | am | (P-14318/93/A-5813) |
| 30,20          | am | (P-8972/A-14891)    | 257,40  | n  | (P-14288/93/A-205) | 100,180 | am | (P-20094/93/A-4811) | 438,20  | r  | (P-2841/A-7433)  | 1440,30  | n  | (P-15799/93/A-2098) | 510,50  | am | (P-14318/93/A-5813) |
| 30,40          | am | (P-8972/A-14891)    | 257,50  | n  | (P-14288/93/A-205) | 100,190 | am | (P-20094/93/A-4811) | 438,36  | r  | (P-2841/A-7433)  | 1440,40  | n  | (P-15799/93/A-2098) | 510,50  | am | (P-14318/93/A-5813) |
| 30,90          | am | (P-8972/A-14891)    | 257,60  | n  | (P-14288/93/A-205) | 100,210 | am | (P-20094/93/A-4811) | 438,36  | r  | (P-2841/A-7433)  | 1440,40  | n  | (P-15799/93/A-2098) | 510,50  | am | (P-14318/93/A-5813) |
| 30,140         | am | (P-8972/A-14891)    | 257,70  | n  | (P-14288/93/A-205) | 100,230 | am | (P-20094/93/A-4811) | 438,40  | r  | (P-2841/A-7433)  | 1440,60  | n  | (P-15799/93/A-2098) | 510,80  | am | (P-14318/93/A-5813) |
| 35,30          | am | (P-9005/A-14909)    | 257,80  | n  | (P-14288/93/A-205) | 100,250 | am | (P-20094/93/A-4811) | 438,40  | r  | (P-2841/A-7433)  | 1440,70  | n  | (P-15799/93/A-2098) | 510,85  | am | (P-14318/93/A-5813) |
| 40,60          | am | (P-14769/93/A-1863) | 257,90  | n  | (P-14288/93/A-205) | 100,260 | am | (P-20094/93/A-4811) | 438,40  | r  | (P-2841/A-7433)  | 1440,70  | n  | (P-15799/93/A-2098) | 510,85  | am | (P-14318/93/A-5813) |
| 40,80          | am | (P-14769/93/A-1863) | 257,100 | am | (P-14288/93/A-205) | 100,280 | am | (P-20094/93/A-4811) | 438,70  | r  | (P-2841/A-7433)  | 1440,80  | n  | (P-15799/93/A-2098) | 510,210 | n  | (P-1905/93/A-8387)  |
| 40,110         | am | (P-14769/93/A-1863) | 270,10  | am | (P-3164/A-9400)    | 100,300 | am | (P-20094/93/A-4811) | 438,70  | r  | (P-2841/A-7433)  | 1418,50  | am | (P-15799/93/A-2098) | 510,220 | n  | (P-1905/93/A-8387)  |
| 40,170         | am | (P-14769/93/A-1863) | 270,15  | am | (P-3164/A-9400)    | 100,320 | am | (P-20094/93/A-4811) | 438,100 | r  | (P-2841/A-7433)  | 1700,10  | am | (P-15799/93/A-2098) | 510,230 | n  | (P-1905/93/A-8387)  |
| 50,10          | am | (P-9011/A-14811)    | 270,35  | am | (P-3164/A-9400)    | 100,330 | am | (P-20094/93/A-4811) | 501,10  | r  | (P-19040/A-2089) | 1700,20  | am | (P-15799/93/A-2098) | 510,260 | n  | (P-1905/93/A-8387)  |
| 50,20          | am | (P-9011/A-14811)    | 270,40  | am | (P-3164/A-9400)    | 100,340 | am | (P-20094/93/A-4811) | 501,20  | r  | (P-19040/A-2089) | 1700,20  | am | (P-15799/93/A-2098) | 510,280 | n  | (P-1905/93/A-8387)  |
| 70,80          | am | (P-9003/A-14906)    | 270,50  | am | (P-3164/A-9400)    | 100,350 | am | (P-20094/93/A-4811) | 502,500 | am | (P-2832/A-11615) | 1700,30  | am | (P-15799/93/A-2098) | 510,275 | n  | (P-1905/93/A-8387)  |
| 70,130         | am | (P-9003/A-14906)    | 270,70  | am | (P-3164/A-9400)    | 100,360 | am | (P-20094/93/A-4811) | 509,95  | am | (P-2832/A-11615) | 1700,40  | am | (P-15799/93/A-2098) | 510,280 | n  | (P-1905/93/A-8387)  |
| 75,5           | am | (P-14728/93/A-1833) | 270,75  | am | (P-3164/A-9400)    | 100,370 | am | (P-20094/93/A-4811) | 509,150 | am | (P-12048)        | 1700,40  | am | (P-15799/93/A-2098) | 510,285 | n  | (P-1905/93/A-8387)  |
| 75,10          | am | (P-14728/93/A-1833) | 270,85  | am | (P-3164/A-9400)    | 100,380 | am | (P-20094/93/A-4811) | 509,220 | r  | (P-17858/A-2095) | 1700,50  | am | (P-15               |         |    |                     |

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|----------|--------|---------------------|---------------------|----------|---------------------|------------------|---------|-----------|-----------|
| TITLE 50 | 854.10 | am                  | (P-21143/93.A-6176) | 2015.90  | n                   | (P-3919.A-12746) | 210.110 | n         | (P-16787) |
|          | 854.20 | am                  | (P-21143/93.A-6176) | 2015.100 | n                   | (P-3919.A-12746) | 210.120 | n         | (P-16787) |
|          | 854.30 | am                  | (P-21143/93.A-6176) | 2015.110 | n                   | (P-3919.A-12746) | 210.130 | n         | (P-16787) |
|          | 854.40 | am                  | (P-21143/93.A-6176) | 2015.120 | n                   | (P-3919.A-12746) | 210.140 | n         | (P-16787) |
|          | 854.50 | am                  | (P-21143/93.A-6176) | 2015.130 | n                   | (P-3919.A-12746) | 210.150 | n         | (P-16787) |
| 855.10   | am     | (P-21264/93.A-6168) | 2015.140            | n        | (P-3919.A-12746)    | 210.160          | n       | (P-16787) |           |
| 855.20   | am     | (P-21264/93.A-6168) | 2015.150            | n        | (P-3919.A-12746)    | 210.170          | n       | (P-16787) |           |
| 855.30   | am     | (P-21264/93.A-6168) | 2015.160            | n        | (P-3919.A-12746)    | 210.180          | n       | (P-16787) |           |
| 855.40   | am     | (P-21264/93.A-6168) | 2015.170            | n        | (P-3919.A-12746)    | 210.190          | n       | (P-16787) |           |
| 855.50   | am     | (P-21264/93.A-6168) | 2015.180            | n        | (P-3919.A-12746)    | 210.200          | n       | (P-16787) |           |
| 856.10   | am     | (P-8411/93.A-685)   | 2015.190            | n        | (P-3919.A-12746)    | 210.210          | n       | (P-16787) |           |
| 1103.10  | n      | (P-8411/93.A-685)   | 2015.200            | n        | (P-3919.A-12746)    | 210.220          | n       | (P-16787) |           |
| 1103.20  | n      | (P-8411/93.A-685)   | 2015.210            | n        | (P-3919.A-12746)    | 210.230          | n       | (P-16787) |           |
| 1103.30  | n      | (P-8411/93.A-685)   | 2015.220            | n        | (P-3919.A-12746)    | 210.240          | n       | (P-16787) |           |
| 1103.40  | n      | (P-8411/93.A-685)   | 2015.230            | n        | (P-3919.A-12746)    | 210.250          | n       | (P-16787) |           |
| 1103.50  | n      | (P-8411/93.A-685)   | 2015.240            | n        | (P-3919.A-12746)    | 210.260          | n       | (P-16787) |           |
| 1250.10  | am     | (P-3985/93.A-2230)  | 2001.30             | am       | (P-21145/93.A-2230) | 210.610          | n       | (P-16787) |           |
| 1250.20  | am     | (P-3985/93.A-2230)  | 2001.31             | am       | (P-3985/93.A-2230)  | 210.620          | n       | (P-16787) |           |
| 1250.30  | am     | (P-3985/93.A-2230)  | 2001.32             | am       | (P-3985/93.A-2230)  | 210.630          | n       | (P-16787) |           |
| 1250.40  | am     | (P-3985/93.A-2230)  | 2001.33             | am       | (P-3985/93.A-2230)  | 210.640          | n       | (P-16787) |           |
| 1250.50  | am     | (P-3985/93.A-2230)  | 2001.34             | am       | (P-3985/93.A-2230)  | 210.650          | n       | (P-16787) |           |
| 1251.00  | am     | (P-11279/93.A-2238) | 2001.35             | am       | (P-11279/93.A-2238) | 210.660          | n       | (P-16787) |           |
| 1251.10  | am     | (P-11279/93.A-2238) | 2001.36             | am       | (P-11279/93.A-2238) | 210.670          | n       | (P-16787) |           |
| 1251.20  | am     | (P-11279/93.A-2238) | 2001.37             | am       | (P-11279/93.A-2238) | 210.680          | n       | (P-16787) |           |
| 1251.30  | am     | (P-11279/93.A-2238) | 2001.38             | am       | (P-11279/93.A-2238) | 210.690          | n       | (P-16787) |           |
| 1251.40  | am     | (P-11279/93.A-2238) | 2001.39             | am       | (P-11279/93.A-2238) | 210.700          | n       | (P-16787) |           |
| 1251.50  | am     | (P-11279/93.A-2238) | 2001.40             | am       | (P-11279/93.A-2238) | 210.710          | n       | (P-16787) |           |
| 1252.00  | am     | (P-11279/93.A-2238) | 2001.41             | am       | (P-11279/93.A-2238) | 210.720          | n       | (P-16787) |           |
| 1252.10  | am     | (P-11279/93.A-2238) | 2001.42             | am       | (P-11279/93.A-2238) | 210.730          | n       | (P-16787) |           |
| 1252.20  | am     | (P-11279/93.A-2238) | 2001.43             | am       | (P-11279/93.A-2238) | 210.740          | n       | (P-16787) |           |
| 1252.30  | am     | (P-11279/93.A-2238) | 2001.44             | am       | (P-11279/93.A-2238) | 210.750          | n       | (P-16787) |           |
| 1252.40  | am     | (P-11279/93.A-2238) | 2001.45             | am       | (P-11279/93.A-2238) | 210.760          | n       | (P-16787) |           |
| 1252.50  | am     | (P-11279/93.A-2238) | 2001.46             | am       | (P-11279/93.A-2238) | 210.770          | n       | (P-16787) |           |
| 1253.00  | am     | (P-11279/93.A-2238) | 2001.47             | am       | (P-11279/93.A-2238) | 210.780          | n       | (P-16787) |           |
| 1253.10  | am     | (P-11279/93.A-2238) | 2001.48             | am       | (P-11279/93.A-2238) | 210.790          | n       | (P-16787) |           |
| 1253.20  | am     | (P-11279/93.A-2238) | 2001.49             | am       | (P-11279/93.A-2238) | 210.800          | n       | (P-16787) |           |
| 1253.30  | am     | (P-11279/93.A-2238) | 2001.50             | am       | (P-11279/93.A-2238) | 210.810          | n       | (P-16787) |           |
| 1253.40  | am     | (P-11279/93.A-2238) | 2001.51             | am       | (P-11279/93.A-2238) | 210.820          | n       | (P-16787) |           |
| 1253.50  | am     | (P-11279/93.A-2238) | 2001.52             | am       | (P-11279/93.A-2238) | 210.830          | n       | (P-16787) |           |
| 1254.00  | am     | (P-11279/93.A-2238) | 2001.53             | am       | (P-11279/93.A-2238) | 210.840          | am      | (P-16787) |           |
| 1254.10  | am     | (P-11279/93.A-2238) | 2001.54             | am       | (P-11279/93.A-2238) | 210.850          | am      | (P-16787) |           |
| 1254.20  | am     | (P-11279/93.A-2238) | 2001.55             | am       | (P-11279/93.A-2238) | 210.860          | am      | (P-16787) |           |
| 1254.30  | am     | (P-11279/93.A-2238) | 2001.56             | am       | (P-11279/93.A-2238) | 210.870          | am      | (P-16787) |           |
| 1254.40  | am     | (P-11279/93.A-2238) | 2001.57             | am       | (P-11279/93.A-2238) | 210.880          | am      | (P-16787) |           |
| 1254.50  | am     | (P-11279/93.A-2238) | 2001.58             | am       | (P-11279/93.A-2238) | 210.890          | am      | (P-16787) |           |
| 1255.00  | am     | (P-11279/93.A-2238) | 2001.59             | am       | (P-11279/93.A-2238) | 210.900          | am      | (P-16787) |           |
| 1255.10  | am     | (P-11279/93.A-2238) | 2001.60             | am       | (P-11279/93.A-2238) | 210.910          | am      | (P-16787) |           |
| 1255.20  | am     | (P-11279/93.A-2238) | 2001.61             | am       | (P-11279/93.A-2238) | 210.920          | am      | (P-16787) |           |
| 1255.30  | am     | (P-11279/93.A-2238) | 2001.62             | am       | (P-11279/93.A-2238) | 210.930          | am      | (P-16787) |           |
| 1255.40  | am     | (P-11279/93.A-2238) | 2001.63             | am       | (P-11279/93.A-2238) | 210.940          | am      | (P-16787) |           |
| 1255.50  | am     | (P-11279/93.A-2238) | 2001.64             | am       | (P-11279/93.A-2238) | 210.950          | am      | (P-16787) |           |
| 1256.00  | am     | (P-11279/93.A-2238) | 2001.65             | am       | (P-11279/93.A-2238) | 210.960          | am      | (P-16787) |           |
| 1256.10  | am     | (P-11279/93.A-2238) | 2001.66             | am       | (P-11279/93.A-2238) | 210.970          | am      | (P-16787) |           |
| 1256.20  | am     | (P-11279/93.A-2238) | 2001.67             | am       | (P-11279/93.A-2238) | 210.980          | am      | (P-16787) |           |
| 1256.30  | am     | (P-11279/93.A-2238) | 2001.68             | am       | (P-11279/93.A-2238) | 210.990          | am      | (P-16787) |           |
| 1256.40  | am     | (P-11279/93.A-2238) | 2001.69             | am       | (P-11279/93.A-2238) | 211.000          | am      | (P-16787) |           |
| 1256.50  | am     | (P-11279/93.A-2238) | 2001.70             | am       | (P-11279/93.A-2238) | 211.010          | am      | (P-16787) |           |
| 1257.00  | am     | (P-11279/93.A-2238) | 2001.71             | am       | (P-11279/93.A-2238) | 211.020          | am      | (P-16787) |           |
| 1257.10  | am     | (P-11279/93.A-2238) | 2001.72             | am       | (P-11279/93.A-2238) | 211.030          | am      | (P-16787) |           |
| 1257.20  | am     | (P-11279/93.A-2238) | 2001.73             | am       | (P-11279/93.A-2238) | 211.040          | am      | (P-16787) |           |
| 1257.30  | am     | (P-11279/93.A-2238) | 2001.74             | am       | (P-11279/93.A-2238) | 211.050          | am      | (P-16787) |           |
| 1257.40  | am     | (P-11279/93.A-2238) | 2001.75             | am       | (P-11279/93.A-2238) | 211.060          | am      | (P-16787) |           |
| 1257.50  | am     | (P-11279/93.A-2238) | 2001.76             | am       | (P-11279/93.A-2238) | 211.070          | am      | (P-16787) |           |
| 1258.00  | am     | (P-11279/93.A-2238) | 2001.77             | am       | (P-11279/93.A-2238) | 211.080          | am      | (P-16787) |           |
| 1258.10  | am     | (P-11279/93.A-2238) | 2001.78             | am       | (P-11279/93.A-2238) | 211.090          | am      | (P-16787) |           |
| 1258.20  | am     | (P-11279/93.A-2238) | 2001.79             | am       | (P-11279/93.A-2238) | 211.100          | am      | (P-16787) |           |
| 1258.30  | am     | (P-11279/93.A-2238) | 2001.80             | am       | (P-11279/93.A-2238) | 211.110          | am      | (P-16787) |           |
| 1258.40  | am     | (P-11279/93.A-2238) | 2001.81             | am       | (P-11279/93.A-2238) | 211.120          | am      | (P-16787) |           |
| 1258.50  | am     | (P-11279/93.A-2238) | 2001.82             | am       | (P-11279/93.A-2238) | 211.130          | am      | (P-16787) |           |
| 1259.00  | am     | (P-11279/93.A-2238) | 2001.83             | am       | (P-11279/93.A-2238) | 211.140          | am      | (P-16787) |           |
| 1259.10  | am     | (P-11279/93.A-2238) | 2001.84             | am       | (P-11279/93.A-2238) | 211.150          | am      | (P-16787) |           |
| 1259.20  | am     | (P-11279/93.A-2238) | 2001.85             | am       | (P-11279/93.A-2238) | 211.160          | am      | (P-16787) |           |
| 1259.30  | am     | (P-11279/93.A-2238) | 2001.86             | am       | (P-11279/93.A-2238) | 211.170          | am      | (P-16787) |           |
| 1259.40  | am     | (P-11279/93.A-2238) | 2001.87             | am       | (P-11279/93.A-2238) | 211.180          | am      | (P-16787) |           |
| 1259.50  | am     | (P-11279/93.A-2238) | 2001.88             | am       | (P-11279/93.A-2238) | 211.190          | am      | (P-16787) |           |
| 1260.00  | am     | (P-11279/93.A-2238) | 2001.89             | am       | (P-11279/93.A-2238) | 211.200          | am      | (P-16787) |           |
| 1260.10  | am     | (P-11279/93.A-2238) | 2001.90             | am       | (P-11279/93.A-2238) | 211.210          | am      | (P-16787) |           |
| 1260.20  | am     | (P-11279/93.A-2238) | 2001.91             | am       | (P-11279/93.A-2238) | 211.220          | am      | (P-16787) |           |
| 1260.30  | am     | (P-11279/93.A-2238) | 2001.92             | am       | (P-11279/93.A-2238) | 211.230          | am      | (P-16787) |           |
| 1260.40  | am     | (P-11279/93.A-2238) | 2001.93             | am       | (P-11279/93.A-2238) | 211.240          | am      | (P-16787) |           |
| 1260.50  | am     | (P-11279/93.A-2238) | 2001.94             | am       | (P-11279/93.A-2238) | 211.250          | am      | (P-16787) |           |
| 1261.00  | am     | (P-11279/93.A-2238) | 2001.95             | am       | (P-11279/93.A-2238) | 211.260          | am      | (P-16787) |           |
| 1261.10  | am     | (P-11279/93.A-2238) | 2001.96             | am       | (P-11279/93.A-2238) | 211.270          | am      | (P-16787) |           |
| 1261.20  | am     | (P-11279/93.A-2238) | 2001.97             | am       | (P-11279/93.A-2238) | 211.280          | am      | (P-16787) |           |
| 1261.30  | am     | (P-11279/93.A-2238) | 2001.98             | am       | (P-11279/93.A-2238) | 211.290          | am      | (P-16787) |           |
| 1261.40  | am     | (P-11279/93.A-2238) | 2001.99             | am       | (P-11279/93.A-2238) | 211.300          | am      | (P-16787) |           |
| 1261.50  | am     | (P-11279/93.A-2238) | 2002.00             | am       | (P-11279/93.A-2238) | 211.310          | am      | (P-16787) |           |
| 1262.00  | am     | (P-11279/93.A-2238) | 2002.01             | am       | (P-11279/93.A-2238) | 211.320          | am      | (P-16787) |           |
| 1262.10  | am     | (P-11279/93.A-2238) | 2002.02             | am       | (P-11279/93.A-2238) | 211.330          | am      | (P-16787) |           |
| 1262.20  | am     | (P-11279/93.A-2238) | 2002.03             | am       | (P-11279/93.A-2238) | 211.340          | am      | (P-16787) |           |
| 1262.30  | am     | (P-11279/93.A-2238) | 2002.04             | am       | (P-11279/93.A-2238) | 211.350          | am      | (P-16787) |           |
| 1262.40  | am     | (P-11279/93.A-2238) | 2002.05             | am       | (P-11279/93.A-2238) | 211.360          | am      | (P-16787) |           |
| 1262.50  | am     | (P-11279/93.A-2238) | 2002.06             | am       | (P-11279/93.A-2238) | 211.370          | am      | (P-16787) |           |
| 1263.00  | am     | (P-11279/93.A-2238) | 2002.07             | am       | (P-11279/93.A-2238) | 211.380          | am      | (P-16787) |           |
| 1263.10  | am     | (P-11279/93.A-2238) | 2002.08             | am       | (P-11279/93.A-2238) | 211.390          | am      | (P-16787) |           |
| 1263.20  | am     | (P-11279/93.A-2238) | 2002.09             | am       | (P-11279/93.A-2238) | 211.400          | am      | (P-16787) |           |
| 1263.30  | am     | (P-11279/93.A-2238) | 2002.10             | am       | (P-11279/93.A-2238) | 211.410          | am      | (P-16787) |           |
| 1263.40  | am     | (P-11279/93.A-2238) | 2002.11             | am       | (P-11279/93.A-2238) | 211.420          | am      | (P-16787) |           |
| 1263.50  | am     | (P-11279/93.A-2238) | 2002.12             | am       | (P-11279/93.A-2238) | 211.430          | am      | (P-16787) |           |
| 1264.00  | am     | (P-11279/93.A-2238) | 2002.13             | am       | (P-11279/93.A-2238) | 211.440          | am      | (P-16787) |           |
| 1264.10  | am     | (P-11279/93.A-2238) | 2002.14             | am       | (P-11279/93.A-2238) | 211.450          | am      | (P-16787) |           |
| 1264.20  | am     | (P-11279/93.A-2238) | 2002.15             | am       | (P-11279/93.A-2238) | 211.460          | am      | (P-16787) |           |
| 1264.30  | am     | (P-11279/93.A-2238) | 2002.16             | am       | (P-11279/93.A-2238) | 211.470          | am      | (P-16787) |           |
| 1264.40  | am     | (P-11279/93.A-2238) | 2002.17             | am       | (P-11279/93.A-2238) | 211.480          | am      | (P-16787) |           |
| 1264.50  | am     | (P-11279/93.A-2238) | 2002.18             | am       | (P-11279/93.A-2238) | 211.490          | am      | (P-16787) |           |
| 1265.00  | am     | (P-11279/93.A-2238) | 2002.19             | am       | (P-11279/93.A-2238) | 211.500          | am      | (P-16787) |           |
| 1265.10  | am     | (P-11279/93.A-2238) | 2002.20             | am       | (P-11279/93.A-2238) | 211.510          | am      | (P-16787) |           |
| 1265.20  | am     | (P-11279/93.A-2238) | 2002.21             | am       | (P-11279/93.A-2238) | 211.520          | am      | (P-16787) |           |
| 1265.30  | am     | (P-11279/93.A-2238) | 2002.22             | am       | (P-11279/93.A-2238) | 211.530          | am      | (P-16787) |           |
| 1265.40  | am     | (P-11279/93.A-2238) | 2002.23             | am       | (P-11279/93.A-2238) | 211.540          | am      | (P-16787) |           |
| 1265.50  | am     | (P-11279/93.A-2238) | 2002.24             | am       | (P-11279/93.A-2238) | 211.550          | am      | (P-16787) |           |
| 1266.00  | am     | (P-11279/93.A-2238) | 2002.25             | am       | (P-                 |                  |         |           |           |

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| Title 77, cont'd |   |                   |          |
|------------------|---|-------------------|----------|
|                  | n |                   |          |
| 340,1160         | n | (P-103911P-12955) | 350,1150 |
| 340,1170         | n | (E-103911P-12955) | 350,1160 |
| 340,1180         | n | (E-103911P-12955) | 350,1170 |
| 340,1190         | n | (E-103911P-12955) | 350,1200 |
| 340,1200         | n | (E-103911P-12955) | 350,1210 |
| 340,1210         | n | (E-103911P-12955) | 350,1220 |
| 340,1220         | n | (E-103911P-12955) | 350,1230 |
| 340,1230         | n | (E-103911P-12955) | 350,1240 |
| 340,1240         | n | (E-103911P-12955) | 350,1250 |
| 340,1250         | n | (E-103911P-12955) | 350,1260 |
| 340,1260         | n | (E-103911P-12955) | 350,1270 |
| 340,1270         | n | (E-103911P-12955) | 350,1280 |
| 340,1280         | n | (E-103911P-12955) | 350,1290 |
| 340,1290         | n | (E-103911P-12955) | 350,1300 |
| 340,1300         | n | (E-103911P-12955) | 350,1310 |
| 340,1310         | n | (E-103911P-12955) | 350,1320 |
| 340,1320         | n | (E-103911P-12955) | 350,1330 |
| 340,1330         | n | (E-103911P-12955) | 350,1340 |
| 340,1340         | n | (E-103911P-12955) | 350,1350 |
| 340,1350         | n | (E-103911P-12955) | 350,1360 |
| 340,1360         | n | (E-103911P-12955) | 350,1370 |
| 340,1370         | n | (E-103911P-12955) | 350,1380 |
| 340,1380         | n | (E-103911P-12955) | 350,1390 |
| 340,1390         | n | (E-103911P-12955) | 350,1400 |
| 340,1400         | n | (E-103911P-12955) | 350,1410 |
| 340,1410         | n | (E-103911P-12955) | 350,1420 |
| 340,1420         | n | (E-103911P-12955) | 350,1430 |
| 340,1430         | n | (E-103911P-12955) | 350,1440 |
| 340,1440         | n | (E-103911P-12955) | 350,1450 |
| 340,1450         | n | (E-103911P-12955) | 350,1460 |
| 340,1460         | n | (E-103911P-12955) | 350,1470 |
| 340,1470         | n | (E-103911P-12955) | 350,1480 |
| 340,1480         | n | (E-103911P-12955) | 350,1490 |
| 340,1490         | n | (E-103911P-12955) | 350,1500 |
| 340,1500         | n | (E-103911P-12955) | 350,1510 |
| 340,1510         | n | (E-103911P-12955) | 350,1520 |
| 340,1520         | n | (E-103911P-12955) | 350,1530 |
| 340,1530         | n | (E-103911P-12955) | 350,1540 |
| 340,1540         | n | (E-103911P-12955) | 350,1550 |
| 340,1550         | n | (E-103911P-12955) | 350,1560 |
| 340,1560         | n | (E-103911P-12955) | 350,1570 |
| 340,1570         | n | (E-103911P-12955) | 350,1580 |
| 340,1580         | n | (E-103911P-12955) | 350,1590 |
| 340,1590         | n | (E-103911P-12955) | 350,1600 |
| 340,1600         | n | (E-103911P-12955) | 350,1610 |
| 340,1610         | n | (E-103911P-12955) | 350,1620 |
| 340,1620         | n | (E-103911P-12955) | 350,1630 |
| 340,1630         | n | (E-103911P-12955) | 350,1640 |
| 340,1640         | n | (E-103911P-12955) | 350,1650 |
| 340,1650         | n | (E-103911P-12955) | 350,1660 |
| 340,1660         | n | (E-103911P-12955) | 350,1670 |
| 340,1670         | n | (E-103911P-12955) | 350,1680 |
| 340,1680         | n | (E-103911P-12955) | 350,1690 |
| 340,1690         | n | (E-103911P-12955) | 350,1700 |
| 340,1700         | n | (E-103911P-12955) | 350,1710 |
| 340,1710         | n | (E-103911P-12955) | 350,1720 |
| 340,1720         | n | (E-103911P-12955) | 350,1730 |
| 340,1730         | n | (E-103911P-12955) | 350,1740 |
| 340,1740         | n | (E-103911P-12955) | 350,1750 |
| 340,1750         | n | (E-103911P-12955) | 350,1760 |
| 340,1760         | n | (E-103911P-12955) | 350,1770 |
| 340,1770         | n | (E-103911P-12955) | 350,1780 |
| 340,1780         | n | (E-103911P-12955) | 350,1790 |
| 340,1790         | n | (E-103911P-12955) | 350,1800 |
| 340,1800         | n | (E-103911P-12955) | 350,1810 |
| 340,1810         | n | (E-103911P-12955) | 350,1820 |
| 340,1820         | n | (E-103911P-12955) | 350,1830 |
| 340,1830         | n | (E-103911P-12955) | 350,1840 |
| 340,1840         | n | (E-103911P-12955) | 350,1850 |
| 340,1850         | n | (E-103911P-12955) | 350,1860 |
| 340,1860         | n | (E-103911P-12955) | 350,1870 |
| 340,1870         | n | (E-103911P-12955) | 350,1880 |
| 340,1880         | n | (E-103911P-12955) | 350,1890 |
| 340,1890         | n | (E-103911P-12955) | 350,1900 |
| 340,1900         | n | (E-103911P-12955) | 350,1910 |
| 340,1910         | n | (E-103911P-12955) | 350,1920 |
| 340,1920         | n | (E-103911P-12955) | 350,1930 |
| 340,1930         | n | (E-103911P-12955) | 350,1940 |
| 340,1940         | n | (E-103911P-12955) | 350,1950 |
| 340,1950         | n | (E-103911P-12955) | 350,1960 |
| 340,1960         | n | (E-103911P-12955) | 350,1970 |
| 340,1970         | n | (E-103911P-12955) | 350,1980 |
| 340,1980         | n | (E-103911P-12955) | 350,1990 |
| 340,1990         | n | (E-103911P-12955) | 350,2000 |
| 340,2000         | n | (E-103911P-12955) | 350,2010 |
| 340,2010         | n | (E-103911P-12955) | 350,2020 |
| 340,2020         | n | (E-103911P-12955) | 350,2030 |
| 340,2030         | n | (E-103911P-12955) | 350,2040 |
| 340,2040         | n | (E-103911P-12955) | 350,2050 |
| 340,2050         | n | (E-103911P-12955) | 350,2060 |
| 340,2060         | n | (E-103911P-12955) | 350,2070 |
| 340,2070         | n | (E-103911P-12955) | 350,2080 |
| 340,2080         | n | (E-103911P-12955) | 350,2090 |
| 340,2090         | n | (E-103911P-12955) | 350,2100 |
| 340,2100         | n | (E-103911P-12955) | 350,2110 |
| 340,2110         | n | (E-103911P-12955) | 350,2120 |
| 340,2120         | n | (E-103911P-12955) | 350,2130 |
| 340,2130         | n | (E-103911P-12955) | 350,2140 |
| 340,2140         | n | (E-103911P-12955) | 350,2150 |
| 340,2150         | n | (E-103911P-12955) | 350,2160 |
| 340,2160         | n | (E-103911P-12955) | 350,2170 |
| 340,2170         | n | (E-103911P-12955) | 350,2180 |
| 340,2180         | n | (E-103911P-12955) | 350,2190 |
| 340,2190         | n | (E-103911P-12955) | 350,2200 |
| 340,2200         | n | (E-103911P-12955) | 350,2210 |
| 340,2210         | n | (E-103911P-12955) | 350,2220 |
| 340,2220         | n | (E-103911P-12955) | 350,2230 |
| 340,2230         | n | (E-103911P-12955) | 350,2240 |
| 340,2240         | n | (E-103911P-12955) | 350,2250 |
| 340,2250         | n | (E-103911P-12955) | 350,2260 |
| 340,2260         | n | (E-103911P-12955) | 350,2270 |
| 340,2270         | n | (E-103911P-12955) | 350,2280 |
| 340,2280         | n | (E-103911P-12955) | 350,2290 |
| 340,2290         | n | (E-103911P-12955) | 350,2300 |
| 340,2300         | n | (E-103911P-12955) | 350,2310 |
| 340,2310         | n | (E-103911P-12955) | 350,2320 |
| 340,2320         | n | (E-103911P-12955) | 350,2330 |
| 340,2330         | n | (E-103911P-12955) | 350,2340 |
| 340,2340         | n | (E-103911P-12955) | 350,2350 |
| 340,2350         | n | (E-103911P-12955) | 350,2360 |
| 340,2360         | n | (E-103911P-12955) | 350,2370 |
| 340,2370         | n | (E-103911P-12955) | 350,2380 |
| 340,2380         | n | (E-103911P-12955) | 350,2390 |
| 340,2390         | n | (E-103911P-12955) | 350,2400 |
| 340,2400         | n | (E-103911P-12955) | 350,2410 |
| 340,2410         | n | (E-103911P-12955) | 350,2420 |
| 340,2420         | n | (E-103911P-12955) | 350,2430 |
| 340,2430         | n | (E-103911P-12955) | 350,2440 |
| 340,2440         | n | (E-103911P-12955) | 350,2450 |
| 340,2450         | n | (E-103911P-12955) | 350,2460 |
| 340,2460         | n | (E-103911P-12955) | 350,2470 |
| 340,2470         | n | (E-103911P-12955) | 350,2480 |
| 340,2480         | n | (E-103911P-12955) | 350,2490 |
| 340,2490         | n | (E-103911P-12955) | 350,2500 |
| 340,2500         | n | (E-103911P-12955) | 350,2510 |
| 340,2510         | n | (E-103911P-12955) | 350,2520 |
| 340,2520         | n | (E-103911P-12955) | 350,2530 |
| 340,2530         | n | (E-103911P-12955) | 350,2540 |
| 340,2540         | n | (E-103911P-12955) | 350,2550 |
| 340,2550         | n | (E-103911P-12955) | 350,2560 |
| 340,2560         | n | (E-103911P-12955) | 350,2570 |
| 340,2570         | n | (E-103911P-12955) | 350,2580 |
| 340,2580         | n | (E-103911P-12955) | 350,2590 |
| 340,2590         | n | (E-103911P-12955) | 350,2600 |
| 340,2600         | n | (E-103911P-12955) | 350,2610 |
| 340,2610         | n | (E-103911P-12955) | 350,2620 |
| 340,2620         | n | (E-103911P-12955) | 350,2630 |
| 340,2630         | n | (E-103911P-12955) | 350,2640 |
| 340,2640         | n | (E-103911P-12955) | 350,2650 |
| 340,2650         | n | (E-103911P-12955) | 350,2660 |
| 340,2660         | n | (E-103911P-12955) | 350,2670 |
| 340,2670         | n | (E-103911P-12955) | 350,2680 |
| 340,2680         | n | (E-103911P-12955) | 350,2690 |
| 340,2690         | n | (E-103911P-12955) | 350,2700 |
| 340,2700         | n | (E-103911P-12955) | 350,2710 |
| 340,2710         | n | (E-103911P-12955) | 350,2720 |
| 340,2720         | n | (E-103911P-12955) | 350,2730 |
| 340,2730         | n | (E-103911P-12955) | 350,2740 |
| 340,2740         | n | (E-103911P-12955) | 350,2750 |
| 340,2750         | n | (E-103911P-12955) | 350,2760 |
| 340,2760         | n | (E-103911P-12955) | 350,2770 |
| 340,2770         | n | (E-103911P-12955) | 350,2780 |
| 340,2780         | n | (E-103911P-12955) | 350,2790 |
| 340,2790         | n | (E-103911P-12955) | 350,2800 |
| 340,2800         | n | (E-103911P-12955) | 350,2810 |
| 340,2810         | n | (E-103911P-12955) | 350,2820 |
| 340,2820         | n | (E-103911P-12955) | 350,2830 |
| 340,2830         | n | (E-103911P-12955) | 350,2840 |
| 340,2840         | n | (E-103911P-12955) | 350,2850 |
| 340,2850         | n | (E-103911P-12955) | 350,2860 |
| 340,2860         | n | (E-103911P-12955) | 350,2870 |
| 340,2870         | n | (E-103911P-12955) | 350,2880 |
| 340,2880         | n | (E-103911P-12955) | 350,2890 |
| 340,2890         | n | (E-103911P-12955) | 350,2900 |
| 340,2900         | n | (E-103911P-12955) | 350,2910 |
| 340,2910         | n | (E-103911P-12955) | 350,2920 |
| 340,2920         | n | (E-103911P-12955) | 350,2930 |
| 340,2930         | n | (E-103911P-12955) | 350,2940 |
| 340,2940         | n | (E-103911P-12955) | 350,2950 |
| 340,2950         | n | (E-103911P-12955) | 350,2960 |
| 340,2960         | n | (E-103911P-12955) | 350,2970 |
| 340,2970         | n | (E-103911P-12955) | 350,2980 |
| 340,2980         | n | (E-103911P-12955) | 350,2990 |
| 340,2990         | n | (E-103911P-12955) | 350,3000 |
| 340,3000         | n | (E-103911P-12955) | 350,3010 |
| 340,3010         | n | (E-103911P-12955) | 350,3020 |
| 340,3020         | n | (E-103911P-12955) | 350,3030 |
| 340,3030         | n | (E-103911P-12955) | 350,3040 |
| 340,3040         | n | (E-103911P-12955) | 350,3050 |
| 340,3050         | n | (E-103911P-12955) | 350,3060 |
| 340,3060         | n | (E-103911P-12955) | 350,3070 |
| 340,3070         | n | (E-103911P-12955) | 350,3080 |
| 340,3080         | n | (E-103911P-12955) | 350,3090 |
| 340,3090         | n | (E-103911P-12955) | 350,3100 |
| 340,3100         | n | (E-103911P-12955) | 350,3110 |
| 340,3110         | n | (E-103911P-12955) | 350,3120 |
| 340,3120         | n | (E-103911P-12955) | 350,3130 |
| 340,3130         | n | (E-103911P-12955) | 350,3140 |
| 340,3140         | n | (E-103911P-12955) | 350,3150 |
| 340,3150         | n | (E-103911P-12955) | 350,3160 |
| 340,3160         | n | (E-103911P-12955) | 350,3170 |
| 340,3170         | n | (E-103911P-12955) | 350,3180 |
| 340,3180         | n | (E-103911P-12955) | 350,3190 |
| 340,3190         | n | (E-103911P-12955) | 350,3200 |
| 340,3200         | n | (E-103911P-12955) | 350,3210 |
| 340,3210         | n | (E-103911P-12955) | 350,3220 |
| 340,3220         | n | (E-103911P-12955) | 350,3230 |
| 340,3230         | n | (E-103911P-12955) | 350,3240 |
| 340,3240         | n | (E-103911P-12955) | 350,3250 |
| 340,3250         | n | (E-103911P-12955) | 350,3260 |
| 340,3260         | n | (E-103911P-12955) | 350,3270 |
| 340,3270         | n | (E-103911P-12955) | 350,3280 |
| 340,3280         | n | (E-103911P-12955) | 350,3290 |
| 340,3290         | n | (E-103911P-12955) | 350,3300 |
| 340,3300         | n | (E-103911P-12955) | 350,3310 |
| 340,3310         | n | (E-103911P-12955) | 350,3320 |
| 340,3320         | n | (E-103911P-12955) | 350,3330 |
| 340,3330         | n | (E-103911P-12955) | 350,3340 |
| 340,3340         | n | (E-103911P-12955) | 350,3350 |
| 340,3350         | n | (E-103911P-12955) | 350,3360 |
| 340,3360         | n | (E-103911P-12955) | 350,3370 |
| 340,3370         | n | (E-103911P-12955) | 350,3380 |
| 340,3380         | n | (E-103911P-12955) | 350,3390 |
| 340,3390         | n | (E-103911P-12955) | 350,3400 |
| 340,3400         | n | (                 |          |

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ILLINOIS REGISTER  
Volume 18, Issue #47 SECTIONS AFFECTED IN

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| 596 320           | n (P-3086/A-11971) |
| 596 330           | n (P-3086/A-11971) |
| 596 340           | n (P-3086/A-11971) |
| 596 350           | n (P-3086/A-11971) |
| 597 10            | am (P-85930)       |
| 597 110           | am (P-85930)       |
| 597 200           | am (P-85930)       |
| 597 220           | am (P-85930)       |
| 597 320           | am (P-85930)       |
| 598 10            | n (P-3077/A-11931) |
| 598 20            | n (P-3077/A-11931) |
| 598 30            | n (P-3077/A-11931) |
| 598 100           | n (P-3077/A-11931) |
| 598 110           | n (P-3077/A-11931) |
| 598 120           | n (P-3077/A-11931) |
| 598 130           | n (P-3077/A-11931) |
| 598 140           | n (P-3077/A-11931) |
| 598 150           | n (P-3077/A-11931) |
| 598 160           | n (P-3077/A-11931) |
| 598 170           | n (P-3077/A-11931) |
| 598 180           | n (P-3077/A-11931) |
| 598 190           | n (P-3077/A-11931) |
| 598 200           | n (P-3077/A-11931) |
| 598 210           | n (P-3077/A-11931) |
| 598 220           | n (P-3077/A-11931) |
| 598 230           | n (P-3077/A-11931) |
| 598 240           | n (P-3077/A-11931) |
| 598 250           | n (P-3077/A-11931) |
| 598 260           | n (P-3077/A-11931) |
| 598 270           | n (P-3077/A-11931) |
| 598 280           | n (P-3077/A-11931) |
| 598 290           | n (P-3077/A-11931) |
| 598 300           | n (P-3077/A-11931) |
| 598 310           | n (P-3077/A-11931) |
| 598 320           | n (P-3077/A-11931) |
| 598 330           | n (P-3077/A-11931) |
| 598 340           | n (P-3077/A-11931) |
| 598 350           | n (P-3077/A-11931) |
| 598 360           | n (P-3077/A-11931) |
| 598 370           | n (P-3077/A-11931) |
| 598 380           | n (P-3077/A-11931) |
| 598 390           | n (P-3077/A-11931) |
| 598 400           | n (P-3077/A-11931) |
| 598 410           | n (P-3077/A-11931) |
| 598 420           | n (P-3077/A-11931) |
| 598 430           | n (P-3077/A-11931) |
| 598 440           | n (P-3077/A-11931) |
| 598 450           | n (P-3077/A-11931) |
| 598 460           | n (P-3077/A-11931) |
| 598 470           | n (P-3077/A-11931) |
| 598 480           | n (P-3077/A-11931) |
| 598 490           | n (P-3077/A-11931) |
| 598 500           | n (P-3077/A-11931) |
| 598 510           | n (P-3077/A-11931) |
| 598 520           | n (P-3077/A-11931) |
| 598 530           | n (P-3077/A-11931) |
| 598 540           | n (P-3077/A-11931) |
| 598 550           | n (P-3077/A-11931) |
| 598 560           | n (P-3077/A-11931) |
| 598 570           | n (P-3077/A-11931) |
| 598 580           | n (P-3077/A-11931) |
| 598 590           | n (P-3077/A-11931) |
| 598 600           | n (P-3077/A-11931) |
| 598 610           | n (P-3077/A-11931) |
| 598 620           | n (P-3077/A-11931) |
| 598 630           | n (P-3077/A-11931) |
| 598 640           | n (P-3077/A-11931) |
| 598 650           | n (P-3077/A-11931) |
| 598 660           | n (P-3077/A-11931) |
| 598 670           | n (P-3077/A-11931) |
| 598 680           | n (P-3077/A-11931) |
| 598 690           | n (P-3077/A-11931) |
| 598 700           | n (P-3077/A-11931) |
| 598 710           | n (P-3077/A-11931) |
| 598 720           | n (P-3077/A-11931) |
| 598 730           | n (P-3077/A-11931) |
| 598 740           | n (P-3077/A-11931) |
| 598 750           | n (P-3077/A-11931) |
| 598 760           | n (P-3077/A-11931) |
| 598 770           | n (P-3077/A-11931) |
| 598 780           | n (P-3077/A-11931) |
| 598 790           | n (P-3077/A-11931) |
| 598 800           | n (P-3077/A-11931) |
| 598 810           | n (P-3077/A-11931) |
| 598 820           | n (P-3077/A-11931) |
| 598 830           | n (P-3077/A-11931) |
| 598 840           | n (P-3077/A-11931) |
| 598 850           | n (P-3077/A-11931) |
| 598 860           | n (P-3077/A-11931) |
| 598 870           | n (P-3077/A-11931) |
| 598 880           | n (P-3077/A-11931) |
| 598 890           | n (P-3077/A-11931) |
| 598 900           | n (P-3077/A-11931) |
| 598 910           | n (P-3077/A-11931) |
| 598 920           | n (P-3077/A-11931) |
| 598 930           | n (P-3077/A-11931) |
| 598 940           | n (P-3077/A-11931) |
| 598 950           | n (P-3077/A-11931) |
| 598 960           | n (P-3077/A-11931) |
| 598 970           | n (P-3077/A-11931) |
| 598 980           | n (P-3077/A-11931) |
| 598 990           | n (P-3077/A-11931) |
| 599 100           | n (P-3077/A-11931) |
| 599 110           | n (P-3077/A-11931) |
| 599 120           | n (P-3077/A-11931) |
| 599 130           | n (P-3077/A-11931) |
| 599 140           | n (P-3077/A-11931) |
| 599 150           | n (P-3077/A-11931) |
| 599 160           | n (P-3077/A-11931) |
| 599 170           | n (P-3077/A-11931) |
| 599 180           | n (P-3077/A-11931) |
| 599 190           | n (P-3077/A-11931  |

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|                      | Nov. 28, 1994           |

[illegible]



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(Title 83, con't)

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(P-15484)

790.110

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1375.7020 r (P-8635/93A-1927)  
 1375.7030 r (P-8635/93A-1927)  
 1375.7040 r (P-8635/93A-1927)  
 1375.7050 r (P-8635/93A-1927)  
 1375.7060 r (P-8635/93A-1927)  
 1375.7070 r (P-8635/93A-1927)  
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 1375.7090 r (P-8635/93A-1927)  
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 1375.7110 r (P-8635/93A-1927)  
 1375.7120 r (P-8635/93A-1927)  
 1375.7130 r (P-8635/93A-1927)  
 1375.7140 r (P-8635/93A-1927)  
 1375.7150 r (P-8635/93A-1927)  
 1375.7160 r (P-8635/93A-1927)  
 1375.7170 r (P-8635/93A-1927)  
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 1375.7180 r (P-8635/93A-1927)  
 1375.7190 r (P-8635/93A-1927)  
 1375.7200 r (P-8635/93A-1927)  
 1375.7210 r (P-8635/93A-1927)  
 1375.7220 r (P-8635/93A-1927)  
 1375.7230 r (P-8635/93A-1927)  
 1375.7240 r (P-8635/93A-1927)  
 1375.7250 r (P-8635/93A-1927)  
 1375.7260 r (P-8635/93A-1927)  
 1375.8100 r (P-8635/93A-1927)  
 1375.8110 r (P-8635/93A-1927)  
 1375.8120 r (P-8635/93A-1927)  
 1375.8130 r (P-8635/93A-1927)  
 1375.8140 r (P-8635/93A-1927)  
 1376.10 n (P-8630/93A-1914)  
 1376.20 n (P-8630/93A-1914)  
 1376.30 n (P-8630/93A-1914)  
 1376.40 n (P-8630/93A-1914)  
 1425.10 am (P-18715/93A-11162)  
 1425.20 am (P-18715/93A-11162)  
 1425.30 am (P-18715/93A-11162)  
 1425.40 am (P-18715/93A-11162)  
 1710.134 n (P-21257/93A-8609;  
 RC-13499EC-15646)  
 1710.170 am (P-21257/93A-8609)

Title 95

122.10 n (E-15449)  
 122.20 n (E-15499)  
 122.30 n (E-15499)  
 122.40 n (E-15499)





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